REPEATER JOURNAL

SouthEastern Repeater Association, Inc.

November
1987
2^{50}

Oneida Peak, WV
Home of KD8MZ/R

Officer Election Time!

Also this issue . . .

- Updated 7-State Repeater Index
- The 1988 Calendar of Events
- Additional Freqs for Digital
- CVRA - Gone but Not Forgotten!

Representing Coordination and VHF/UHF Interests Throughout North Carolina
South Carolina, Virginia, Tennessee, West Virginia, East Kentucky and Georgia.

WILLIAMS RADIO SALES

PRE-CHRISTMAS SALE

Your Holiday Shopping Guide

SANTEC
ST-20T
BATTERY

Why Spend "Big Bucks" for a "New" Model Name, When SANTEC Has What You Want Already and at a very reasonable price. SANTEC, Designed by American Hams has always been years ahead of its time. The Competition still hasn't caught up, and probably never will.

THE SUPERIOR
SANTEC
ON SALE!

SANTEC
SANTEC
SANTEC
SANTEC
SANTEC
SANTEC
SANTEC
SANTEC
SANTEC
SANTEC

SUPER SPOUSE SPECIAL

Buy Him A Santec ST-20T Handheld For 2-Meters and Get FREE $8.95 Cig. Mobile Power Cable! **$279.00**

Buy Him a Santec FM-240 Mobile Transceiver and Get FREE an $8.95 Extra Fused Power Cable **$329.00**

Free UPS Shipping! NO CREDIT CARDS Please. N.C. Res. Add 5% Sales Tax

We Can Make Your Shopping for Christmas Easy. Place Your Order - Tell Us When You Want It To Arrive. We'll See That It Gets There On Time!

We Have Something for That Ham For Christmas. Call & Let Us Help

The Largest Mail Order Santec Dealer IN THE NATION!
SANTEC • TOKYO HY-POWER • WELZ • KENPRO

WILLIAMS RADIO SALES

THE SANTEC TOLL-FREE HOTLINE
1-800-523-0347
NC Call (919) 993-5881
NOON to 10:00 PM EST
600 LAKEDALE ROAD, DEPT. S
COLFAX, N.C. 27235

ON THE COVER

Oneida Peak, half-way between Bluefield and Tazewell, Virginia is location for the latest Appalachian Repeater Association repeater to go on the air. The KD8MZ 355-955 machine boasts wide coverage from this location. Our color cover was shot last Summer when temporary towers were in place for the repeater and other services. Color Slide Photography by Jody Thompson, N8FVS.

Journal Staff

EDITOR & PUBLISHER
Wayne C. Williams, K4MOB
600 Lakedale Road
Colfax, N.C. 27235
(919) 993-5881

CONTRIBUTING EDITORS
Mary Weddle, WC4T
Clyde Weddle, KF4WY
227 Bennett Lane
Charlotte, N.C. 28213
(704) 596-2168

TECHNICAL EDITOR
Herman Cone, WB4DBB
305 Foxwood Lane
Goode, Va. 24556
(703) 586-5643

ADVERTISING DIRECTOR
Sharon Ward
5573 Vienna-Dozier Rd.
Pfafftown, N.C. 27040
(919) 924-0520

JOURNAL PRODUCTION

Typesetting and
Printing by: Commercial
Printing, Kernersville, N.C.

Camera Graphics through:
Piedmont Pub. Co., W.S.

Layout Pasteup, Design
Wayne C. Williams, K4MOB

Computer Operation by:
David Ward, KA4LVO
Lindsay Cleveland, W4IZI

Other Journal Assistance

Gerry Williams, KB4SEL
David Ward, KA4LVO
Alton Ward, KB4EP

REPEATER JOURNAL

CVRA - SouthEastern Repeater Association, Inc.

Editorial Comment

ORGANIZED IN 1971
"In Our 16th Year"

Give One & Get Some Free!

David Ward, KA4LVO, our Membership Chairman, has come up with quite an interesting promotion for the Christmas season, concerning Associate Membership.

David has ordered a bunch of beautiful full color calendars, a picture for each month, and had them custom printed for SERA. He also got some magnificent stationary.

He said the promotion runs something like this. There is an ad, with a special application form printed in this issue of the Journal. Anyone who GIVES a friend an Associate Membership for $6.00, and mails it in with their own name and callsign, will receive 3 MONTHS BONUS on their own Associate Membership.

"In addition," David said, "We will mail them a thank you in the form of one of our SERA Calendars." "The person who is to be recipient of the gift membership, will get a Christmas greeting, acknowledging their free membership and hwo gave it to them."

David said he could only give one calendar per ham who sent in gift memberships, but if they give more than one gift membership, they will receive 3 months bonus for each gift membership.

A person who gives 4 gift Associate Memberships, stands to get a FULL YEAR extension on his own membership, plus the free SERA calendar.

The special gift membership promotion will expire December 31, 1987. David said calendars will be sent as long as supplies last.

This is an excellent opportunity for a person to give an on-the-air friend a nice welcomed gift of membership in SERA, which he will receive the Repeater Journal, and also offer support to SERA - the local coordinating council for the Southeast. PLUS a little something extra for their effort, sweetens the pot.

David said he hasn't set a goal yet, but hopes to receive several hundred gift membership applications.

Each gift application must be on a separate form. You can copy the form, or write the complete information, clearly on a piece of paper, being sure to enclose the amount of $6.00 for each gift membership.

Remember, a free SERA calendar per person, and free 3 months extension for EACH gift membership sent in.

What a nice way to help SERA, yourself and a friend. It's a good way to say "Merry Christmas - ham friend!"

— Wayne C. Williams, Editor

Give a Friend an Associate Membership
Gift and Receive 3 months Extension
on Your own Associate Membership
Plus
Receive Free - A Beautiful full color
SERA 1988 Calendar and a Christmas
Greeting to your friend Acknowledging
Your SERA Membership Gift!
See Page 47 for Details!

REPEATER JOURNAL

November-December 1987

In This Issue

Editorial Comment - Give One-Receive Some! 1
Officers Nominated for 1988 3
Minutes of the August Board Meeting 6
The Hamfest That Wouldn't Rain Out 7
Cover Story-The Appalachian Repeater Association 9
Additional Digital Frequencies on VHF 11
Carolina Bike Quest-Feature 13
W.V. Hams Provide Assistance in Plane Crash 14
Full Membership Closes Year-Down Slightly 17
West Virginia Notes 33
Journal Advertising Rate Card 35
Associate Membership Application 35
Tennessee Tidbits 36
Financial Report (SERA) 38
Full Membership Application 39
Special! Gift Membership Information 47
Journal Hamfest Calendar 1987-1988 48

Where To Find It Quick!

Repeater Journal Staff 1
Officers & Committees 2
District Directors .... Bk. Cover
Repeater Index 20-30
Financial Report 38
Advertisers Index 47

Officers & Committee

PRESIDENT
A. Carter Cogle, K4ARO
1667 Varina Avenue
Petersburg, Va. 23805
(804) 733-8411

VICE-PRESIDENT
Jim Fitzgerald, K4OJE
909 Penobscot Road
Richmond, Va. 23227
(804) 266-7459

TREASURER
Raymond K. Adams, N4BAQ
5833 Clinton Hwy., Suite 203
Knoxville, Tenn. 37912
(615) 687-5410 Home
(615) 688-7771 Office

SECRETARY
Nita Morgan, N4DON
1504 Woodnymph Trail
Lookout Mtn., Tenn. 37350
(404) 820-2065

REPEATER MEMBERSHIP
(Owners & Reptr. Oper.)
SERA FULL MEMBERSHIP
P.O. Box 24292
Winston-Salem, N.C. 27114

ASSOCIATE MEMBERSHIP
(Repeater Users)
David Ward, KA4LVO
SERA ASSOC. MEMBERSHIP
P.O. Box 24292
Winston-Salem, N.C. 27114

ASSOC. MBR. ASSISTANT
Lindsay Cleveland, W4IZI
149 N. Peachtree St.
Norcross, Ga. 30071
(404) 446-2189 Home
(404) 447-3909 Office

TECHNICAL ADVISOR
Danny Hampton, K4ITL
P.O. Box 12734
Raleigh, N.C. 27605
(919) 832-8733

FCC LIASON CHAIRMAN
Rose Bond, FCC
1365 Peachtree St., NE, Rm. 404
Atlanta, Ga. 30309
(404) 881-2631

About CVRA-SERA. . .

The CVRA-Southeastern Repeater Association is one of the largest Non-Profit repeater councils in the U.S. In our 16th year of operation, CVRA-SERA territory covers over 1,000 repeaters in member States of NC, SC, VA, WVA, TN, EKY, and GA. Our goal and promise is to continue providing a pleasant operating condition in the VHF/UHF spectrum of Amateur Radio

About Associate Membership

Repeater users and Amateurs are invited to join CVRA-SERA as Associate Members. A membership fee of $6.00 per year will enable members to support the organization and receive the "Repeater Journal". Associate Membership deadlines are on the 15th of the month preceding months of publication -- Jan. 15, April 15, July 15 and October 15. Persons joining or renewing their membership must have their application into the Winston-Salem Post Office Box by these deadlines to receive the next upcoming Repeater Journal in February, May, August and November. Memberships received after any deadline will not receive next to be published Journal, but instead will receive the forthcoming issue the following quarter. HOT-P Associate Memberships are limited to one year duration at $10.50 per year. HOT-P, your Journal is mailed on Friday FIRST CLASS mail. Regular memberships are mailed on MONDAY, Third Class Bulk. CVRA-SERA does not issue receipts for Membership applications. Members should wait until next Journal comes out to report any problems to the Associate Membership Chairman, P.O. Box 24292, Winston-Salem, N.C. 27114-4291. Associate Members may hold appointive positions within CVRA-SERA.

About Full Repeater Membership. . .

Officers and Directors are elected from repeater representatives who are Full Members. Any repeater owner or club may join CVRA-SERA as a Full Member if they have an operable repeater on the air. Full Membership application, coordination information (if not on file) and $15.00 should be submitted for the annual Full Membership fee. Two Full Members receive the Journal from each application. The Full Member repeater is also appropriately recognized as a CVRA-SERA supporter in the repeater index. Full Memberships all expire on December 31 of each calender year.

About the Repeater Journal. . .

The CVRA-SERA REPEATER JOURNAL is published quarterly, during the months of February, May, August and November of each year and mailed free to members of CVRASoutheastern Repeater Association, a seven state repeater coordinating organization made up of repeater owners and users. Permission is granted for use of material contained in the REPEATER JOURNAL provided proper credit is given. The REPEATER JOURNAL Editor will swap newsletters with other Repeater Councils and News organizations upon written request. DEADLINES: Ad space reservations are the 20th of the month, and ad copy due the 1st of the next month. ONE MONTH prior to publication. News deadlines are the first of the month prior to publication month. The REPEATER JOURNAL is entered as Third Class Mail at the Post Office in Greensboro, N.C. Cover price for the REPEATER JOURNAL is $2.50. All news and Newletter exchanges should be mailed to the editor: Wayne C. Williams, K4MOB, 600 Lakedale Road, Colfax, N.C. 27235.

Cogle, Morgan, Adams, Gregory Are Officer Nominations for 1988

Section 8, SERA Bylaws:

On any date not later than noon of the first day of September of an election year, (odd numbered years), the president shall appoint a nominating committee to prepare a slate of nominees for the four elective offices of President, Vice-President, Secretary and Treasurer. The nominating committee shall consist of three Repeater Representatives, one having been appointed as Chairman. The Committee shall nominate one Repeater Representative as the candidate for each of the four offices, and submit the names of the candidates to the Secretary no later than noon, September 28. The Secretary shall inform the Repeater Journal Editor by October 1 of all nominees and provide a biographical sketch of each. The Editor will publish the names of nominees for each office, supplied to the Secretary by the Nominating Committee, in the November Repeater Journal. The Editor shall also include in the announcement, the procedure for nominating additional candidates for each office. Additional nominations for any office shall be submitted by acquiring the signatures of five Repeater Representatives (Full Members) of the Association. All nominations shall be to the Secretary no later than noon, November 30. The Board of Directors shall delete the name of any candidate who may be ineligible for election, and the name of any who may withdraw by written communication. The remaining names shall be listed on the ballot in alphabetical order. If there be but noe eligible nominee for any office, the Board of Directors shall declare him elected without balloting. If there be more than one eligible nominee for any office, no later than December 2, the Secretary shall send by mail to every eligible Repeater Representative (Full Member) a ballot listing the candidates and a return envelope, soliciting a vote for one name for each office listed".....

....."the terms of all Officers shall begin at noon on the first day of January of the year after that in which

As A Full Member You Can Nominate

The SERA Nominating Committee has made a selection for a slate of officers for the 1988-89 term and are reported in an accompanying story.

You as a SERA Full Member have a right to nominate "from the floor" any person who qualifies for the offices of SERA up for re-election. We have published a form for you to use if you wish.

The form must be signed by five Full Member repeater representatives, accompanying your nomination "from the floor". Your form must be sent to the secretary of SERA, to be received no later noon November 30 for your nomination to be valid.

If additional nominations "from the floor" are received as a result of persons mailing in nominees for any office from the Journal form, the Secretary of SERA, upon confirmation that the nomination is valid, and wishes to run, will mail ballots to ALL SERA Full Members in the seven states, asking them to mark the ballot for each appropriate office.

If, however, there are no additional nominations from the form printed in this issue of the Journal, the Board of Directors shall declare the four nominees named by the Nominating Committee and unopposed, as elected to the office.

They will assume office on January 1st.

SERA is your organization. We represent you and work for you, so we urge your participation. If you strongly feel someone else would be better qualified for any office than those nominated by the committee, you should get the printed form filled out and mail in your nomination.

The President

Carter Cogle, K4ARO of Petersburg, Va. is up for his 3rd term of President. He has also served in other capacities of SERA over the past 10 years. Carter is an Assistant Professor, Business Technology, Southside Virginia Community College in Alberta, and currently is responsible for teaching accounting and data processing courses.

He holds an MBA in Business Management from East Tennessee State University, a BS in Business Management from ETSU.

Carter who holds an Advanced Class Amateur license was first licensed in 1954. His main interests include VHF/UHF Amateur Radio and microcomputers.

The Vice-President

Nita Morgan, N4DON of Lookout Mt., presently is serving as Secretary of SERA, a position she has held for 2 terms. Her main interests include VHF/UHF Amateur Radio.

Nita and her husband, Tom are co-owners of C.T. Morgan and Associates. She has also served as Chairman of Hamfest Chattanooga over a 5 year period.

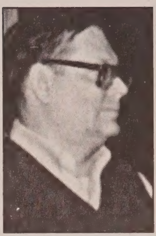
She holds a Technician class license in Amateur Radio since 1980.

Secretary

Barbarra Gregory, WA4RMC of Chattanooga, has served as Assistant Southeast Director of SERA since 1983. She has served as a member of the Hamfest Chattanooga Committee for the past 9 years.

Barbarra is a Technician Class, licensed in 1976. She has held the office of President (1984), Vice-President (1983) and Secretary (1979-1982-1985-1986-1987) of the Chattanooga Tri-State FM Association.

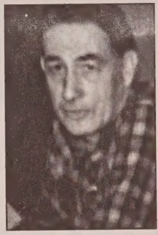
Her main interests in Amateur radio are on VHF/UHF operation.



Carter Cogle

Barbarra Gregory

Nite Morgan



Ray Adams

Treasurer

Raymond (Ray) Adams, N4BAQ of Knoxville, was first licensed as WD4NCG in 1977, receiving his present call in 1978. Ray, a licensed CPA owns his own Accounting firm in Knoxville. He has served as Treasurer of SERA since 1981.

Ray was instrumental in originating the VE program in middle East Tennessee working through WCARS-VEC, where he is presently Secretary-Treasurer. He is also one of the three persons named nationwide, charged with the responsibility of maintaining a common question pool for use by all VECs.

Ray has served as chairman of the Knoxville Hamfest, and held office with the Radio Amateur Club of Knoxville, Director (1979), Vice President (1981-1982), and President of 1983 and 1984.

His main interests in Amateur radio include VHF/UHF operation, and his involvement with the VEC program.

For Your Convenience!
An Officer Nomination
Form Is Printed On
Page 11 - This Issue.

Election

The nominees for the Officers of SERA will be named to their offices if no further nominations "from the floor" are forthcoming. If nominations do come in, from the "Nominating form" published in this issue of the Journal, an election will be held within all Full Members of SERA in the seven state area.

GREENSBOR

ENJOY A TIMELESS CLASSIC!

Join Us For The 7th Annual
Greater Greensboro N.C. Hamfest
November 21 & 22, 1987

HOURS: Sat. 9:00 A.M. - 5:00 P.M. & Sun. 9:00 - 3:00
LOCATION: Franklin Blvd. - National Guard Armory
PRIZES: 1st $700 - 2nd $250 - 3rd $100 - 4th-6th $50
Pre. Reg.: $100
★: Many Other Valuable Prizes To Be Given Hourly
TICKETS: $4.00 Advance — $5.00 At The Gate
FLEA MARKET: Price Of Ticket & 2.00 Per Designated Space
INSIDE: Price Of Ticket & $12.00 (per 6′ table) both days
TAILGATERS: Price Of Ticket & $2.00
LADIES: Our Xmas Craft Vendors Will Be Back Again!
SHOPPING: We Will Provide Shuttle Bus Service And Chaperones - To The Four Seasons Town Centre Shopping Mall! All Day Sat. Please Come! There Will Be A Special Drawing For The Ladies Who Attend This Outing!
FCC EXAMS: Walk-In Saturday Only
TALK-IN: 145.250 (—.600) — 146.520 Simplex

Information - Registration
Fred Redmon - N4GGD
3109 Goodall Drive
Greensboro, N.C. 27407
Phone (919) 852 - 9244
Call 9:00 P.M. - 11:00 P.M.

MARK FOUR RADIO CLUB
145.250

Tickets Only!
Henry Hughes - KA4LPA
2811 Gwaltney Rd.
Greensboro, N.C. 27407

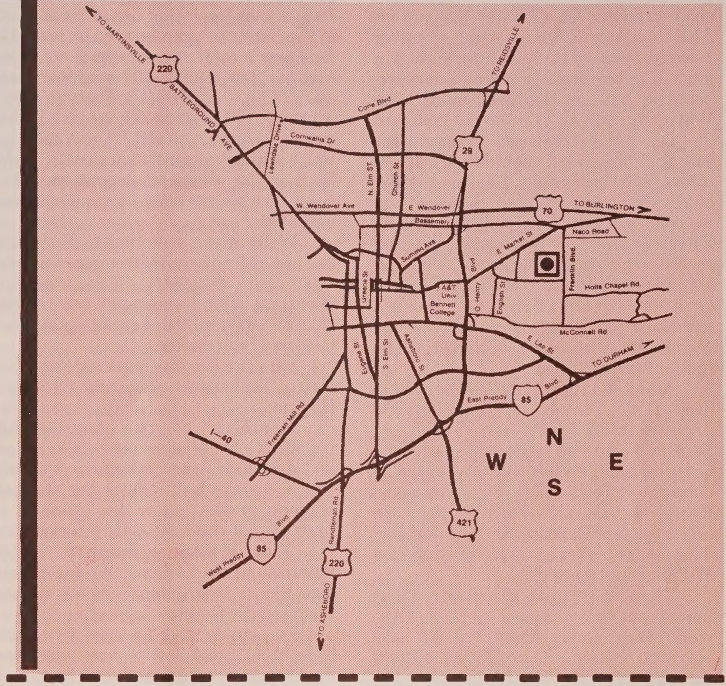
★★

Send In Your Advance Registration Now and Save $1.00 per ticket. Your Tickets Will be held at the gate for you to pick up upon arrival Saturday morning. SAVE $1.00 and be eligible for Pre-Registration Drawing. SEND IN THE COUPON WITH YOUR CHECK TODAY!!

O HAMFEST

ARRL APPROVED HAMFEST

•**WALK-IN FCC EXAMS** will be Saturday only! Bring your original license and a photocopy. Also bring a valid form of I.D. to the test site. If further info. is needed call Hugh Brunson (AE4N) at (919)-852-1087.


TO MARTINSVILLE
220
BATTLEGROUND AVE
Cone Blvd
Cornwallis Dr
Lawndale Drive
N. Elm ST
Church St
TO REIDSVILLE
29
W. Wendover Ave
E. Wendover
Bessemer
70
TO BURLINGTON
Naco Road
Summit Ave
E. Market St
Blvd
Franklin Blvd.
Holts Chapel Rd.
Greene St
A&T Univ
Bennett College
O. Henry
English St
McConnell Rd
E. Lee St
TO DURHAM
Eugene St
S. Elm St
Asheboro St
East Preddy
85
Blvd
Freeman Mill Rd
I—40
N
W
E
S
421
West Preddy
85
Blvd
Randleman Rd.
220
TO ASHEBORO

Please Pre-Register me for the Greensboro Hamfest, November 21-22, 1987.
Enclosed is my check for:

___ ☐ **Hamfest Tickets @ $4.00 ea** .... $ ______
___ ☐ **Flea Market Tables** (Inside) SOLD OUT FOR '87..... $ ______
___ ☐ **Outside Flea Market Space** (Unlimited) **$2.00** ...... $ ______

Will your XYL or YL be attending our ladies day out? ☐YES ☐NO. **Total** .... $ ______

Monies must be received in Greensboro no later than November 15, 1987

Make all checks payable to the GREATER GREENSBORO HAMFEST.

Send form to: Henry Hughes - KA4LPA - 2811 Gwaltney Rd. - Greensboro, N.C. 27407

Please Send S.A.S.E. - TNX

*NAME*____________________________ *CALL* ____________

*ADDRESS*____

CITY __________________ *STATE*________ *ZIP*________

Minutes of the August Meeting

SouthEastern Repeater Association, Inc.

— by Nita Morgan, N4DON, Secretary

The Fall Board meeting of CVRA, SouthEastern Repeater Association, Inc. was held August 23, 1987 at the Americana Inn in Greensboro, N.C. President Carter Cogle called the meeting to order at 9:00 A.M.

The minutes of the last meeting were approved as printed in the Journal.

Wayne Williams reported printing cost are down since he is using more copies from the lazer printer. Listings for ARRL directory need to be in by October 1. Directors need to check information in journal to be sure everything is correct. Hamfest listings also need to be in to Wayne by October 1.

David Ward proposed combining the full and associate membership to be under a Membership Chairman. The chairman would appoint assistants as needed and would be on the Board of Directors. He also proposed keeping all records at a central location. A motion was made by Wayne, with a second by Orin to combine full and associate membership to the office of Membership/Records Manager. The motion was approved.

Another proposal by David was to drop CVRA from the name of the organization and use SERA or SouthEastern Repeater Association. Orin made a motion that the name be changed from CVRA/Southeastern Repeater Association, Inc. to SouthEastern Repeater Association, Inc. The motion received a second from Don Williams and passed.

There was much discussion about how to handle renewal notices. Orin would like to strike the one line that says — "if no changes, do not fill out bottom portion". Sam Snyder thinks unless the form indicates changes, someone will have to check each membership form. Wayne made a motion to use the same form for renewal of full members as last year, but remove the line to not fill out the bottom if no changes have been made. There will be a seperate story in the journal stating no other renewal form will be sent out this year. The motion received a second from Mac McMillian and passed.

Ray Adams reported a bank balance of $5477.03, less the cost of the board meeting.

David Ward said he would like to see the association purchase a computer for Wayne's use. Wayne would then be able to handle data which could be passed on to David. A motion was made by Mac that a committee comprised of Wayne, Ray, David and Orin should decide which computer to buy. After a second by Wally, the group approved the motion.

Jim Fitzgerald was unable to attend the meeting. Carter announced that Jim is not interested in running for the office of Vice President next year.

No representatives were present from East Kentucky or Georgia. Reports were given from the other states present.

Len Bjerken of South Carolina asked about packet operation on 220 MHz. Wayne made a point that the present band plan does not have frequencies for packet use in the portion of the band that can be used by novices. He made a motion to continue with the original plan, but for 2400 baud operation add 223.42 — 223.58 MHz. For high speed operation (19.2 K) add 220.9 — 221.1 with center frequency of 221.05 and 221.0 — 221.1 with center frequency of 221.05 to be used for digipeter operation. This received a second from Len and a vote of approval.

Wally made a motion to authorize the use of 5 additional frequencies to be used for digital/packet simplex operation. The frequencies are 145.61, .63, .65, .67, and .69. Len seconded this motion which passed.

Sam Snyder has been appointed as East Tennessee Assistant to the Director.

Members of the nominating committee for officers must be selected no later than noon September 1, 1987. The secretary will submit the slate of officers to the editor by October 1. Members of the nominating committee are Nita Morgan, Chairman; Eddie Palmer and Ray Adams. Wayne would also like a biographical sketch of the nominees by October 1.

Ray made a motion to authorize Sharon to send 2 one year associate membership certificates to hamfests when she sends them an advertisement notice. The certificates are to be given as prizes at that hamfest. Wally gave the motion a second and it was approved by the board.

There was some discussion as to location and date for the January meeting. A motion by Orin, with a second by Mac, was made to hold the meeting in the Grand Cayman Islands. The motion did not pass. It was decided instead to hold the meeting in Greenville, S.C..

Mac made a motion to adjourn the meeting. After a second by Orin, the meeting adjourned at 12:30 P.M.

Ward Named Chairman Of All SERA Membership

At the August SERA Board meeting, the committee voted to combine the two committees of Associate and Full membership into one.

David Ward, KA4LVO, who has served as Associate Membership chairman, will take on the job of the new combined membership chairman. David will handle the day-to-day Full Membership and Associate Membership applications coming into the organization.

All memberships, Full (repeater owners) and Associate (repeater users) are to be mailed to the Winston-Salem address: SERA MEMBERSHIP, P.O. BOX 24292, WINSTON-SALEM, N.C. 27114-4292.

David said anyone with questions about their membership may write him at this address, or call (919) 924-0520. If he is not at the phone, a telephone answering recorder can take your message, which David will get information for you and notify you by mail. He said memberships going into 1988 will remain the same as 1987. Associate is $6.00 per year, or $10.50 HOT-P Associate Membership where your Journal is mailed 1st Class Postage the afternoon the books are received from the printer.

Full Membership is still $15.00 per calendar year (Jan. 1-Dec. 31).

WA4ZTH
Bob Wallace
KNOXVILLE. TENNESSEE

ALL NEW
SERA
Name Badge
$6.00 postpaid

1-1/2" X 3" GREEN ON WHITE

Mercury Engraving
P.O. Box 22338
Knoxville. TN 37933

You CAN Cross Mother Nature!

The Hamfest That Wouldn't "Rain Out"

— by Clyde & Mary Weddle,

The 30th Anniversary Shelby Hamfest was beginning! Contrary to ordinary opinion; it just doesn't "happen." The endless meetings were completed: the planning, scratching and re-planning, running, ordering prizes, assigning jobs to members, and more running were completed. Even the traditional yellow/black 1987 Shelby Hamfest T-Shirts had been delivered to the members. Ready or not the 1987 Shelby Hamfest was underway.

Legends are originated about the Traditional older Hamfests in this area. They are passed, like all other legends, from the older members to the younger members. The most optimistic legend about the Shelby Hamfest is that "it never rains on SHELBY!" We all knew that some day this particular legend would end. The most pessimistic legend we heard as new members in years past was, "If we're rained out, we're wiped out!" This legend was about to be put to the ultimate test.

The Hamfest began **before** it began. It is supposed to begin on Saturday of Labor Day Weekend. On Monday, campers were rolling in. By Wednesday, the Cleveland County Fairground already looked like a Hamfest. By Friday, the Flea Market Chairman and the Camping Chairman held whispered conferences periodically at different sites. (They, as well as many other Shelby Amateur Radio Club Members, had taken the entire week off from work to devote to the Hamfest.) We overheard comments such as "where will we put all the Flea Market people who come on Saturday morning, when the area is full NOW?" or "Where will I put my camping people who can't get here until Friday night?" The Flea Market Area below the exhibit halls were a sea of blue plastic shelters. The campers circled the entire fairground as if assembled in the confirmed configuration for an Indian Massacre. Exhibitors and Dealers filled both buildings to bulging on Friday afternoon as the clouds gathered. The sun broke through briefly as Shelby's first major manufacturer reps, ICOM, arrived. At 6 PM on Friday, the yellow shirts (Shelby Club Members) gathered at the Fire Hall for their Friday Night Picnic. As the Hot-Dogs and Hamburgers were dished up, the clouds grew black, and as the Ladies of the Club sliced the home-made cakes and pies, a smattering of raindrops made polka-dots on the funeral home cook tent.

The younger Club Members gathered in a clump outside the Fire Hall, and jokingly held their Hot-Dogs aloft, and performed "dry-dances." The rain stopped, but the clouds remained.

As the members ate, there was a sense of emptiness and vacancy, because their Charter Member, and patriarch, MALCOLM SPANGLER, K4KUT, was absent for the first time in 30 years. A bad omen, for sure. Near 80, Malcolm had been ordered to bed for a complete rest by his doctor. This was a special loss to us, since Malcolm is our own personal guru for the History of Amateur Radio. It was at times like this, in a social gathering of the Club, that with gentle urging, Malcolm would tell the stories of his personal experiences with Amateur Radio in the early days. He would tell and re-tell the stories as many times as we wanted, while gazing far away over the rippling grass, with the wisdom of the years written on his face, and the faint smile of fond memory playing around the corners of his mouth. I always wanted my favorite story about the very first Shelby Hamfest, while Clyde would wheelde out information about re-building and operating the post-war military equipment, and fabricating the home-made antennas. But Malcolm was not there to humor us like naughty children, and we were especially sad. As we left the Fairground the "bottom fell out" as the rain decended, and continued throughout the night.

On Saturday morning, we were up at 5 AM, and when Clyde flipped on the 2-meter rig, the talk-in stations were busy. In pouring rain, hordes of dedicated hams were enroute to the Shelby Hamfest. After exams were completed, we arrived at the Shelby Hamfest. We were astonished to behold a collage of colorful umbrellas tip to tip down the midway! It seemed that an even larger crowd was present than we had ever seen in the past. The flea market was crowded with vendors and patrons. Good naturedly, the crowd shopped through plastic covers, and seemed to be buying more than if the weather had been ideal. The ingenuity of Hams once more made itself evident in the way people protected themselves from the deluge. In addition to the usual rainwear, we saw garbage-bag ponchos, cowboy hats covered with ICOM bags, and one hardy soul had on a complete fireman's outfit, including hat, with ---- you guessed it, SUNGLASSES! Impromptu contests were held for the most outlandish garb, and a general sense of good-humored coping prevailed. Whomever said that Hams do it with more FUN was eternally correct!

The rain held off on Sunday until about 2 PM, as everyone returned to continue the business of the day before. Tickets were still being sold at 1 PM, and the midway was filled with Hams and their entire families who had come to pay their respects to one of the state's oldest hamfests, and everyone agreed that "dealers and flea market people hauled out a lot less than they hauled in." The treasures had changed hands, and everyone was happy with the results. Although many things change hands once more at the next hamfest, and some items grow more familiar with each subsequent hamfest, this is the reason Hams have Hamfests. The exchange of equipment, the fellowship of friends who became acquainted in the first place at a Hamfest, and the general spirit of comradery, are the things that make a Hamfest successful, no matter WHAT the weather! These are the things that made the Shelby Hamfest the GRANDDADDY OF THEM ALL!

The Shelby Amateur Radio Club would like to thank the Amateur Radio Community in all areas for your attendance, your support, and most important of all. . . your friendship!

Some Full Members Get Free SERA Gift

The SERA Full Membership Chairman notified the Journal that he is giving some Full Members the benefit of time.

He explained that several repeater owners sent in their Full Membership for 1987 in late October, but paid the FULL $15.00 fee.

Actually with less than 2 months remaining in the 1987 membership period, it was decided to give these persons the 2 months of 1987 free, with a November Journal Full Member listing. The $15.00 fee sent in will be applied to the full 1988 Calendar year.

Those who remember doing this, can consider themselves Full Members for the rest of 1987, and ALL of 1988. If you have some question as to whether you qualified, write the Full Membership chairman at the Winston-Salem Post Office box.

New Swapfest At Sumter, SC

The Sumter Amateur Radio Association will be sponsoring the first annual Central South Carolina Swapfest at the Jaycee Hut in Sumter on Saturday, November 14th starting at 9:00 a.m. The event will be held indoors rain or shine, and you are asked to bring your own tables. There is no charge for admission. Talk-in will be on the 147.015 repeater.

There has been no active hamfest in the area for a number of years, forcing area amateurs to drive one hundred or more miles, only to end up selling to each other and bringing the same gear back "home". If there proves to be enough interest, the "mini-hamfest" will become an annual event. We hope to see you there! — Hap Griffin WA4UMU

50 WATT LINEAR AMPLIFIER

FOR FM & SSB

USEFUL FOR REPEATERS

FOR UNDER $50.00

Sound too good to be true? But it is! I'll send you a 50 watt linear amplifier (420-470 Mhz) FM-SSB, in "kit" form, complete with all the necessary parts (except heatsink — use your own), along with detailed photographs, instructions and illustrative diagrams for your trouble-free assembly and use.

Just tell me which model is right for you . . .

KIT NO.	WATTS INPUT	WATTS OUTPUT
No. 1	**8 to 10**	**40 to 50**
No. 2	**20 to 35**	**100 to 150**
No. 3	**8 to 10**	**100 to 150**

. . . From only $43.50!!!

(Please send $4.00 insurance & postage)

SEND SELF-ADDRESSED STAMPED ENVELOPE
FOR COMPLETE KIT FORM PARTS LAYOUT

Points South Electronics

4009 West 18th Avenue, Hialeah, Florida 33012
Tel. (305) 557-9477

The Appalachian Repeater Association

— Submitted by: Nelson Linkus, KD8MZ

The Appalachian Repeater Association was formed by Gary Hold, N8BZS of Odd, WV and Dale Warrick, N8FRV of Fayetteville, WV. The ARA is divided into two divisions: northern and southern, both of which are located in South Central WV. The five year old organization has more than eighty members throughout four states.

The ARA sponsors five 2-meter repeaters which include:

KD8MZ - 146.955 - Oneida Peak, Bluefield, VA - Linked;
N8BZS - 145.31 - Layland/Mann Mt., WV - Linked;
KC8IT - 147.03 - Mullins/Herndon Mt., WV;
N8DKL - 145.17 - Bolt Mt., WV - Linked
N8BZS - 146.625 - Flat Top Mt., WV

and three 70 cm repeaters:

KC8IT - 444.00 - Mullins/Herndon Mt., WV - Link Backbone;
N8FRV - 444.80 - Lick Knob, WV
KD8MZ - 444.625 - Bluefield, VA

and one digipeater:

WB4BBF-1 - 145.01 - Bluefield, VA

The 146.355/146.955 KD8MZ repeater on Oneida Peak, half-way between Bluefield and Tazewell, Virginia, is the latest ARA repeater to go on the air. Nelson J. Linkous II, KD8MZ of Bluefield, WV and Gary Holt, N8BZS are co-owners of the machine.

The repeater was orginially coordinated on the 146.325/146.925 split by the SERA. But the combination of a Motorola Micor and a 4,450 foot site proved to be more than anyone anticipated. As soon as Gary, Nelson, and Tim Ford, KC8IT put the Micor upon the mountain on January 18th, 1986, the complaints started coming in. The repeater was S3 in Danville, VA, where the closest 2-meter repeater on the same frequency is located, some 135 air miles away from Oneida Peak. The repeater would have to be moved to another frequency, but there just wasn't another clear frequency to be coordinated. Many long hours, phone calls and much hard work was at a stand still.

Then Nelson noticed the 146.355/146.955 split coordinated for East River Mt. which had Johnny Noble, WD80GY's call on it. After speaking to Johnny and his brother Tommy Noble, KC8WL, it was understood that the 146.355/146.955 repeater was being moved to Pipestem State Park in WV. The 146.325/146.925 split would work fine at this location. With the cooperation of Johnny, Tommy and Don "Andy" Anderson, WD800R (part owner in the repeater), the frequencies were swapped and 146.355/146.955 repeater went on the air at Oneida Peak. The 146.925 machine has gone on the air at Pipestem State Park and is doing great. A special "thanks" to these men for their help in getting .955 on the air.

Cover Story

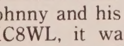
ON THE COVER

Oneida Park, half-way between Bluefield and Tazewell, Virginia is location for the latest Appalachian Repeater Association repeater to go on the air. The KD8MZ 355-955 machine boasts wide coverage from this location. Our color cover was shot last Summer when temporary towers were in place for the repeater and other services. Color Slide Photography by Jody Thompson, N8FVS.

The 146.955 repeater has worked seventeen states and one Canadian providence since it was aired. The majority of these states were worked during super band openings on August 24, and November 24, 1986.

The repeater consists of a Motorola Micor, Wacom duplexer, 7/8 inch hard line, Phelps Dodge Super Station Master antenna, Regency 70 CM transceiver, and a Hamtronics DTMF controller. This repeater is part of a complex linking system via 70 cm band that includes the N8BZS 145.31 Layland Mann Mt., N8DKL 145.17 Bolt Mt., and N8CYH 444.00 Mullins/Herndon Mt. repeaters. The N8CYH 444.00 repeater is the backbone of the linking system.

The oldest of the ARA repeaters is the N8BZS 145.31 repeater on Layland Mann Mt. It was first aired in June of 1980. This repeater, as all ARA 2-meter repeaters, is a Motorola Micor with a Wacom duplexer, 7/8 inch hard line, Phelps Dodge Super Station Master antenna, Hamtronics DTMF controller and a Regency 70 cm transceiver. This repeater is part of the complex linking system mentioned earlier. The 145.31 has great coverage throughout the Beckley area with solid coverage as far north as Sutton, WV and has been worked mobile from south Fairmont, WV on Interstate 79. Regular check-ins from Covington, VA (mobile) are no surprise. The 145.31 has only been down one major time in its history. This was due to a direct lightning hit on a power line close by. The 145.31 N8BZS repeater is the first in a long list of Gary Holt (Captain Hillbilly) - built machines.



CLYDE'S LAW:

ISN'T IT AMAZING HOW MUCH YOU CAN ACCOMPLISH IN A RADIO CLUB, IF YOU DON'T CARE WHO GETS THE CREDIT!

From high atop Smoke Signal Ridge is another one of Cpt. Hillbilly's repeaters, the N8DKL 145.17 Holt Mt. repeater. Originally a Motorola Motrac, the 145.17 has been upgraded to a Motorola Micor about four and a half years ago. The 145.17 covers all of Boone, Raleigh, and Wyoming counties with 80% coverage of Kanawha county. It has regular check-ins from Ohio, eastern Kentucky and most of southern West Virginia. The Bolt Mt. machine is a big gun in south WV and is also part of the linking system. The 145.17 machine consists of a Motorola Micor repeater, Phelps Dodge Duplexer, Data Signal DTMF controller, 7/8 inch hard line, Phelps Dodge Super Station Master antenna, and a Motorola Mocom 35 70 cm transceiver. The ARA has won the VHF QSO party from this site and plans to win it again in the near future. This repeater is owned by Gary, N8BZS and Dale Warrick, N8FRV.

The backbone of the linking system is KC8IT 444.00. It is much like the NC PCRN (Piedmont Coastal Repeater Network) in that the backbone brings it all together. The 444.00 repeater on Herndon Mt. allows the 146.955, 145.31 and 145.17 repeaters to link up. This allows you to dial-up the repeaters you want in the system and dial-down when you are through. The link receivers are on all the time. This is what allows the dial-up and dial-down. We also have installed audio mix boards, built by WB4BBF Randle Hash, in the repeater to allow isolated audio to the DTMF controllers and allow independent dial-up and dial-down. The ARA, thanks to Danny Hampton, K4ITL, is now linked up with the PCRN through a gateway on 145.43 Green Mt. in Sparta, North Carolina and the 444.00 repeater on Herndon Mt. This allows two-way pick-up of the SERA News net every Wednesday night at 8:30 p.m. This also allows the ARA to link with any PCRN repeater any time or vice-versa. The 444.00 repeater consists of a GE Master II with Motorola duplexer, Hamtronics DTMF controller and COR, 7/8 inch hard line and a Phelps Dodge Super Station Master antenna. The gateway station at the repeater site is a standard 890 high band transceiver. Gary Holt, N8BZS and Tim Ford, KC8IT are the owners of the 444.00 "backbone" repeater.

The KC8IT 147.03 repeater on Herndon Mt. is located at the same site as the 444.00 repeater. The 147.03 machine is also a Motorola Micor with

Continued on Page 46

PLAN NOW FOR THE

1988
CHARLOTTE HAMFEST
AND COMPUTERFAIR

MARCH 19 & 20, 1988
CHARLOTTE CONVENTION CENTER

SAME LOW 1984 TICKET PRICE

NEW! SPECIAL FLEA MARKET AREA
WITH ELECTRICITY
ADDITIONAL CHARGE FOR ELECTRICITY
SPACE AVAILABLE BY RESERVATION IN ADVANCE ONLY
APPLICABLE NC TAXES TO BE COLLECTED

87,000 SQ. FT. INDOORS OF
DEALERS AND FLEA MARKET TABLES

NEW AND USED EQUIPMENT * COMPUTERS * EXAMS * PRIZES * FORUMS

FOR ADDITIONAL INFORMATION, PLEASE WRITE TO:

1988 CHARLOTTE HAMFEST
P. O. BOX 221136
CHARLOTTE, NC 28222-1136

Additional Frequencies Assigned For Digital Use

The SERA Board of Directors has approved additional frequencies for use exclusively by Packet and Digital operation. These new frequencies, added to the existing SERA Band Utilization plan are in addition to existing frequencies set aside for exclusive digital usage.

The purpose of the new frequencies, the Board agreed was to provide digital capability on 220 Mhz. for Novices. Earlier when the FCC granted privileges to Novices on 220 Mhz., they did not extend them the capability of working below 220 Mhz. where the Digital frequencies were assigned around most of the nation, including SERA territory.

The additional 2-meter frequencies were assigned to enable State Digital organizations, more capacity and capability when assigning certain LAN and other relay frequencies in various sections of States.

In assigning the new frequencies, the SERA Board reiterated its stand as far as coordination is concerned. SERA assigns Band Plans for Digital. Various Digital Statewide groups will hold the responsibility in assigning various frequencies for relay and long range Digital systems.

The Board also agreed to continue the practice that a Digital system requiring a 600 Khz. split (input-output) would have to be placed in the repeater portion of the band, and be coordinated as an FM repeater-operating digital. Otherwise, simplex digital operations, such as Digipeters would still be coordinated by Statewide digital groups, on assigned simplex digital frequencies.

The new frequencies for 220 Mhz. include two more simplex frequencies: 223:42 and 223:58. In addition, two high speed 100 Khz. channels were assigned: 220.90-221.00 Mhz. with 220.95 Mhz. as center frequency; and 221.00-221.10 Mhz. with 221.05 Mhz. as center frequency. The two 100 Khz. channels will be available for 19.2 kilobaud operation.

The additional frequencies for Digital on 2-meters include: 145.61, 145.63, 145.65, 145.67 and 145.69.

The SERA Digital band plan now shows:

2-METERS

145.01 145.03 145.05 145.07 145.09
145.61 145.63 145.65 145.67 145.69

220 MHZ.

221.05 221.15 221.25 221.35 221.45
223.42 223.58

220 Mhz 100 Khz Channels

220.90-221.00 - 220.95 center frequency
221.00-221.10 - 220.05 center frequency

The Repeater Journal will continue its practice of listing "official" digipeters in the Repeater Index. The term "official digipeter" is defined as a digital relay system that is available **24-hours per day, 7 days per week, and operates unattended.** A listed digipeter cannot be one that is used for Packet use, under local control, and Digipeter use part of the time. Theoretically any Packet TNC can be used at one time or another as a Digipeter. This system is not the intent the Journal will use as criteria for listing Digipeters in the index.

The new digital frequencies are available for use immediately.

SERA OFFICER NOMINATION FORM

To CVRA-SERA Secretary:

The below named person(s) are nominated to office(s) listed below. The persons nominated have been contacted and have expressed a desire to serve if elected. The nominee is a FULL MEMBER of CVRA-SERA and is eligible to hold office in the organization. It is understood that this nomination from the floor, signed by myself and three other full members will be added to the nominating committee's list of nominees. If this nomination is the only one submitted for this office, that person shall be elected to the office. If more than one is nominated for any one office, an election will be held by written ballots mailed to every full member of CVRA-SERA.

Office person is nominated for ______________________________

President, Vice-President, Secretary or Treasurer

If more than one nominee, use xeroxed copy or simular sheet of paper.

Name of nominee ______________________ Call ______________

Address ________________________________ Phone ___________

Is A representative of ______________________ repeater (a full member)
(Call-City-Freq)

Person has been contacted and has agreed to serve to best of his ability if elected to the office nominated ( ) Yes

Include brief Biographical sketch of nominee and his achievements in Amateur Radio and /or CVRA-SERA. (Use separate sheet of paper)

This nomination certified by me ______________________ Call __________

member of repeater ______________________, a full member of CVRA-SERA.

Three other full members:

______________________ call ____________ repeater ____________

______________________ call ____________ repeater ____________

______________________ call ____________ repeater ____________

Other full members must sign their signature personally.

Mail this form with attached biography to arrive NO later than November 30, to:
NITA MORGAN, CVRA-SERA SECRETARY, 1504 Woodnymph Trail, Lookout Mt., Tn. 37350

Repeater Index Loses Some Listings

As usual for the November issue, the SERA computer is told to take out any repeaters that have been listed in the Journal for a year or more under construction, or proposed, with no additional information from the owner.

These repeaters remain on the SERA data bank, but will not be listed further in the Journal.

Any repeaters which were listed as under construction or proposed, and deleted from this issue, but are actually on the air, the owners should notify their Director immediately. When a owner gets his repeater on the air, he is supposed to notify his Director of that fact, and his listing will reflect in the Journal.

Only those which do not show as being on the air, after one year and no additional information received are removed.

This annual purge of the Computer rids our listings of repeaters that were coordinated, or listed, but never got on the air. Owners who had their repeater on the air generally notify someone quickly to get their listing back in the Journal -- updated and correct as it should have been.

AUTHORIZED KENWOOD ICOM RADIO DEALER

H.L. HEASTER, INC.
KENWOOD
ICOM
203 Buckhannon Pike. Clarksburg W.Va.

H. L. HEASTER, INC. 203 Buckhannon Pike, Clarksburg, W. Va. 26301
Clarksburg Phone (304) 624-5485 or W. Va. Toll-Free 1-800-352-3177

HAROLD HEASTER, KA8OHX, 91 Ridgefield Place, Ormond Beach, Fl. 32074
Florida Phone (904) 673-4066

NEW NATION-WIDE TOLL-FREE TELEPHONE 1-800-84-RADIO
1-800-84-72346

Call us for a quotation, WE WILL SAVE YOU MONEY!!!!!!!

Carolina Bike Quest Assisted By Amateurs

— by Mark W. McMahan, WA4RIS

On June 18, 1987, three ham radio operators left High Point accompanying the Carolina Bike Quest '87. Coy Hennis (WD4NHL), Lomer McMahan (WA4RIS) and Steve Davis (KB4JIF) joined the support team for eleven bicyclists who would circle the state of North Carolina (1500 miles) in under 70 hours. Members of the High Point Amateur Radio Club, these hams provided communication via two-meters keeping the support team vehicles together and relaying messages back to "home base."

The Carolina Bike Quest '87 was an event hosted by the United Way of Greater High Point. A celebration of United Way's 100th year, the bike quest was a salute to the thousands of volunteers across the state. Their goal was to complete 1500 miles in 72 hours.

The route began at High Point and headed west to Murphy. From there they headed east to Wilmington and north along the Outer Banks to Elizabeth City. The bicyclists then headed west passing through the state capital of Raleigh and returning to High Point on June 21. They surpassed their goal by returning in just under 70 hours!

Communications were a vital link to the success of the Carolina Bike Quest. Icom provided three IC-28A's to be used in the event. The cyclists rode in teams of three. Relay points were set up every 20 miles for the next team to take over. Coy Hennis was stationed in the bus following the current team of bicylists. Steve Davis rode with the United Way coordinator for the project (Wayne Drumheller) and often set up the next relay point. Lomer McMahan rode in the United Way van carrying the extra bikes and supplies.

Often these duties were switched as the need arose for one of the vehicles to get gas or at one of the sixty-four stops along the way for presentations to the local volunteers. Messages were also relayed back to High Point by the use of repeaters across the state. Members of the High Point Amateur Radio Club took turns monitoring the group as they made their way and reported their progress back to the United Way.

Five members of the High Point ARC who participated in the communications of Carolina Bike Quest '87 for the United Way. They gathered after a reception in Raleigh. They are: Lomer McMahan, WA4RIS; Steve David, KB4JIF; Jo Young, Clyde Young, KA4PHW; and Coy Hennis, WD4NKL.

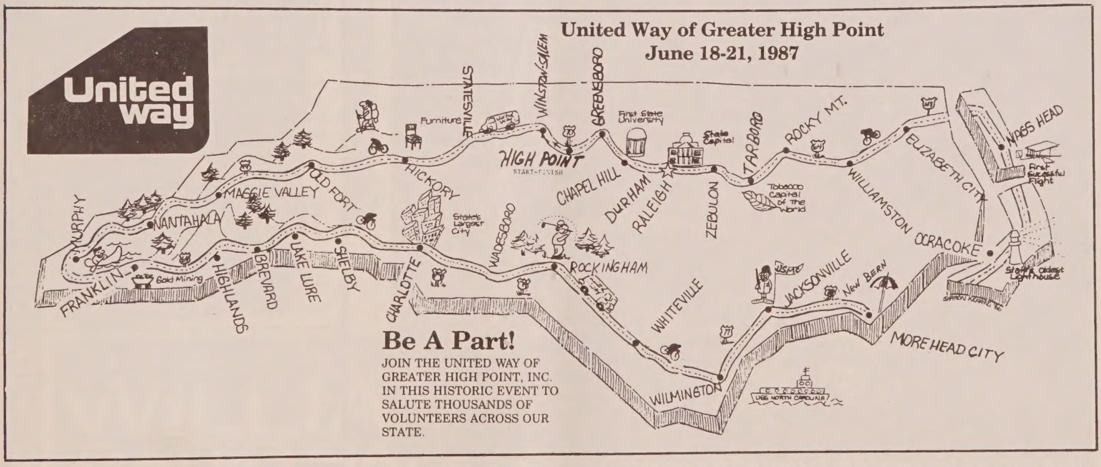
It was through these relays that two more members of the club became involved. One of the backup drivers supposed to meet the team was unable to do so. Clyde Young (KA4PHW) and his wife Jo met the team as they cam through Monroe. They continued with the convoy the rest of the journey back to High Point helping out with the driving and wherever needed. Fortunately no real emergency traffic arose, but this instance showed the preparedness of the radio operators participating.

Amateur radio was given a real test and public relations boost throughout North Carolina. Repeater owners were not alerted beforehand of the possible use of their machines by the support team. This was a first and it was not clear at the start just how using two-meters would work in an event this size. But repeater owners and amateurs alike seemed to understand and cooperated as the Carolina Blue Quest made its way.

United Way officials were impressed at the role that amateur radio operators were able to provide. Thanks must go not only to the four hams and one XYL who traveled the state with the bicylists. Thanks must also go to the many hams in the state who allowed the use of their repeater by this group.

Most all hams encountered were courteous and many curious as to the progress of this event. Ham radio experienced a boost in public awareness through the effort shown by all radio amateurs involved in this first-of-its-kind event.

The success of the Carolina Bike Quest '87 was an achievement that Amateur Radio can be proud of being involved with.


United Way
United Way of Greater High Point
June 18-21, 1987
STATESVILLE
WINSTON-SALEM
GREENSBORO
Furniture
First State University
State Capital
TARBORO
ROCKY MT.
NAGS HEAD
HIGH POINT
START-FINISH
HICKORY
OLD FORT
MAGGIE VALLEY
NANTAHALA
MURPHY
FRANKLIN
Gold Mining
HIGHLANDS
BREVARD
LAKE LURE
SHELBY
CHARLOTTE
State's Largest City
WADESBORO
CHAPEL HILL
DURHAM
RALEIGH
ZEBULON
Tobacco Capital of The World
WILLIAMSTON
ELIZABETH CITY
First Successful Flight
OCRACOKE
State's Oldest Lighthouse
ROCKINGHAM
WHITEVILLE
JACKSONVILLE
USMC
NEW BERN
MOREHEAD CITY
WILMINGTON
USS NORTH CAROLINA
Be A Part!
JOIN THE UNITED WAY OF GREATER HIGH POINT, INC. IN THIS HISTORIC EVENT TO SALUTE THOUSANDS OF VOLUNTEERS ACROSS OUR STATE.

The North Carolina map shows the route of cyclists during the '87 Carolina Bike Quest. The event, sponsored in June began in downtown High Pont, circled the state and back. The 1,500 mile route went west to Murphy, across the state to Wilmington, along the Outer Banks to the Northeastern part of the State, back through Raleigh and finally back to High Point. The bike teams were to complete the course in 72 hours... non stop, going through 47 counties and 250 cities or towns along the route. The sponsors heaped praise on the High Point Amateur Radio Club for providing two-meter communications throughout the trip. The historic event saluted thousands of volunteers across the State.

WV Hams Provide Valuable Assistance In Plane Crash

— by Ted Wolfe, WD4KHL

A Cessna 172 four-seater plane crashed Saturday, Sept. 5 in a remote corner of Grant County, WV, near the Pendleton County line in an area known to local residents as Flag Rocks. The plane, enroute from York, PA, to Elkins, WV, crashed into the base of the North Fork Mountain cliffs, killing two of the four persons aboard.

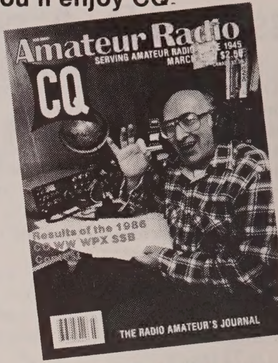
The crash occurred about noon but did not come to the attention of area authorities until around six o'clock that evening.

State Trooper R.D. Gillespie, N8HON, stationed at Franklin, was notified around 7:15 p.m. Gillespie reported later that searchers got a better fix on the downed aircraft around 9:30 p.m. when a search plane flew over it and got a better set of coordinates by monitoring the plane's ELT (Emergency Locator Transmitter) which is automatically activated when a plane goes down.

Gillespie was joined by the Elkins Fire Department and about 2:00 a.m. by a Civil Air Patrol unit from Morgantown. Gillespie and several others spent all Saturday night on the mountain

Continued on Page 18

Two of the hams who assisted during the rescue effort following a crash in Grant County, WV, which killed two and left two other people injured, are seen in this photo of the wrecked Cessna 172, four seated private plane. To the right in checkered shirt and glasses is Bob Landes, K4FXH. In the hat to his right and partially hidden is Don Landes, WX4C. Both are from Harrisburg, Va. (Photo Courtesy of The Grant County Press).


Amateur Radio
CQ
SERVING AMATEUR RADIO SINCE 1945
MARCH
Results of the 1986 CQ WW WPX SSB
THE RADIO AMATEUR'S JOURNAL

If you enjoy Amateur Radio, you'll enjoy CQ.

It's a different kind of ham magazine. Fun to read, interesting from cover to cover, written so you can understand it. That's CQ. Read and enjoyed by over 80,000 people each month in 116 countries around the world.

**It's more than just a magazine.
It's an institution.**

CQ also sponsors these thirteen world famous awards programs and contests: The CQ World Wide DX Phone and CW Contests, the CQ WAZ Award, the CQ World Wide WPX Phone and CW Contests, the CQ World Wide VHF WPX Contest, the CQ USA-CA Award, the CQ WPX Award, the CQ World Wide 160 Meter Phone and CW Contests, the CQ Five Band WAZ Award, the CQ DX Award, and the highly acclaimed CQ DX Hall of Fame. Accept the challenge. Join the fun. Read CQ.

Also available in a Spanish language edition. Write for rates and details.

SUBSCRIBE TODAY!

CQ
The Radio Amateur's Journal
76 North Broadway
Hicksville, NY 11801

**Please start my CQ subscription with the next available issue.
Enclose payment or charge information with order. Term and Rate (check one):**

	USA	VE/XE	Foreign
1 Year	☐ $18	☐ $20	☐ $22
2 Years	☐ $35	☐ $39	☐ $43
3 Years	☐ $52	☐ $58	☐ $64

**Paid by: ☐ Check ☐ Money Order
☐ VISA ☐ MasterCard**

Card Number:

Allow 6-8 weeks for delivery of first issue.

Name
Street
City
State or Country **Zip**

• WELZ • KENPRO • SANTEC • TOKYO HY-POWER • WELZ • KENPRO •

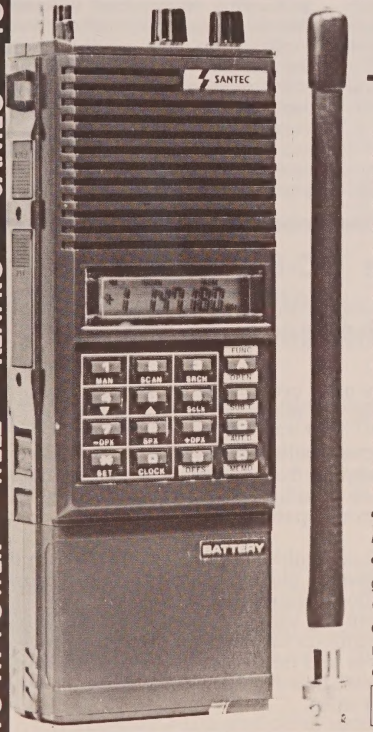
SANTEC • TOKYO HY-POWER • WELZ • KENPRO • SANTEC • TOKYO HY-POWER • WELZ • KENPRO

SANTEC **ST-20T HANDHELD for 2-METERS**

The World's Best Radio!

Strong Words? Yes! But Santec Offers You More of What You Want In A Handheld - Yet the Price is Very Competitive. Smart Shoppers Who Check Out All Brands, Find Santec is the Natural Leader.

Why Santec? Santec Incorporates Outstanding American Know-how, coupled with Japanese building Technology. The result - SANTEC-NOLOGY! When You Purchase a Santec, You're not Helping Pay for Thousands of Dollars of Fancy Color Ads - You're paying for Technology that makes Santec the Natural Leader - Year after Year, Model after Model. Get Your Hands on a Santec Today - You're Getting The Best in the World!



List Price $369.00

We Install Weather Mod. for only $10 extra

$279.00

FREE UPS Shipping
No Credit Cards
N.C. Res. Add 5% Tax
Add $1.90 for Phone C.O.D.'s

Some of the features of today's SANTEC ST-20T

- Direct DC (7-17V) Operation. No options or plugs to buy
- First with "Battery Saver" - Lithium Battery Backup
- First and only Handheld with Auto-dialer memories
- First and only Handheld with 24-hour clock
- First and only Handheld with simplified key board entry
- ROM Memory eliminates unnecessary keyboard functions
- 10 Memory channels - four modes of scan - automatic offsets
- First with individual channel "oddball" offsets and sub-tone
- 1/2-watt and 3-1/2 watts on 9.6V 250mah battery (5W Dir DC)
- 5-watts Direct DC or with optional 450 mah battery paks
- Analog-lighted "S" Meter - Lighted Full LCD Readout
- Simple modification to receive 158.9 to 164 Mhz (Incl NOAA Wea)
- Four modes of Scan on band or memories (Scanlock on Memories)
- Set lower limit, upper limit and scan rate 5 khz to 100 khz
- Battery charged with Direct DC line or with Wall Charger
- Direct Keyboard entry for all frequencies & functions

Plus these little extras from Williams Radio

• FREE UPS Brown Shipping • Your Battery is Charged, your clock set • We guarantee your radio 100% when you receive it • Exclusive Williams Radio Customer Discount on Accessories (extra 5%) for future purchases. • The exclusive Williams Radio Weather Mod instructions included in the box. (Weather mod installed for you at reasonable fee)

SANTEC **BATTERY PAKS $32.00**

ST-600-B3 nicad pak (9.6vdc @ 600 mah) Fits Santec Models: HT-1200, ST-7, ST-144, ST-220, ST-440, ST-142, ST-222, ST-442. We pay UPS shipping.

The Largest Mail-Order Santec Dealer IN THE NATION!
SANTEC • TOKYO HY-POWER • WELZ • KENPRO

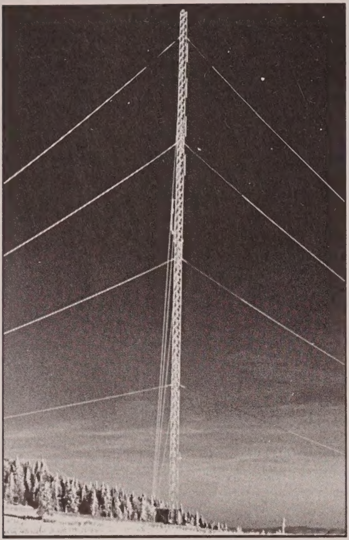
WILLIAMS RADIO SALES

THE SANTEC TOLL-FREE HOTLINE
1-800-523-0347
NC Call (919) 993-5881
NOON to 10:00 PM EST
600 LAKEDALE ROAD, DEPT. S
COLFAX, N.C. 27235

WELZ • KENPRO • SANTEC • TOKYO HY-POWER • WELZ • KENPRO

SANTEC • TOKYO HY-POWER • WELZ • KENPRO • SANTEC • TOKYO HY-POWER • WELZ • KENPRO •

Spruce Knob, Highest Repeater In WV



This is the 305-foot tower on Spruce Knob, the highest point in West Virginia. That's the N8HON repeater antenna at the top, which is at 4980-feet ASL. The repeater is on 146.055.655 but sponsors are trying for re-coordination to the 147.885/147.285 Mhz frequency pair. (PHOTO BY Rick Gillespie, N8HON).

— by Ted Wolfe, WD4KHL

August 1st, I had a letter from Rick Gillespie, N8HON, with information on the 146.055/146.655 repeater which bears his call on Spruce Knob, the highest point in the Mountain State. Rick and Jim Andrew, K8FHE, Buckhannon put the repeater on the air in September 1986. I didn't know then that Rick was a West Virginia state trooper till I got the plane crash information from him that is the subject of another story elsewhere in the **Journal.**

Rick reported a loyal following of 8, 4, and 3-landers as coverage of the open repeater includes parts of five states - north, north-central and eastern West Virginia; western Ohio; the Shenandoah Valley and other parts of Virginia; portions of western and south central Pennsylvania; and western Maryland.

The 25-watt RCA commercial rig was converted by Dick Fowler, N8FMD, Clarksburg. It is plumbed into antennas at the 4980-foot ASL level of a 305-foot tower owned by Cal Basham, W8NR, a Charleston ham who operates several commercial tower sites around the state. The tower is adjacent to the highest point in West Virginia. Recent band openings included QSOs with stations from Hydro, OK; Danbury, CT; and Philadelphia, PA, all working the machine with full quieting.

Rick wrote that they are thinking of a part-time or on-demand linking with another repeater in the southern end of the state to afford a link with the state's capital city (Charleston) in the event of a replay of the November 1985 flood or other natural disasters.

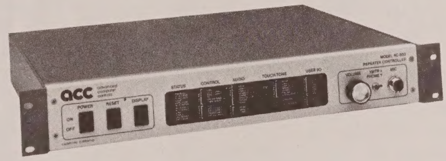
Rick was working on re-cordination of the machine by October 1. He is trying for a better frequency pair, 147.885/147.285.

Spruce Knob is inaccessable to normal vehicles at times during winter months when several feet of snow cover the ground. That has resulted in Rick and an avid Harrisonburg, Va., user of the repeater, Don Landes, WX4C, to take up a new hobby -- snowmobiling.

Color Slides Needed

The Journal staff is still looking for good colorful slides for possible publication on the front of upcoming Journals. The slides should preferably be vertical, and cover untimed events in Amateur Radio. Timed events generally take precedence in publication, if none has already been scheduled for that issue.

If you request, slides can be returned, otherwise, they become property of the Repeater Journal.



"The RC-850 Repeater Controller ... still the leader of the pack!"

The RC-850 controller offers your group the most advanced repeater control technology available anywhere. Through ongoing hardware and software enhancements, even our first customers enjoy new features that keep it ahead of the pack. With the '850, your repeater becomes fully remotely programmable. From command codes to the repeater's operating schedule, virtually everything can be easily changed. Touch-Tone programming from your radio or the phone with synthesized voice readback, or programming from your home computer via modem or packet.

The autopatch supports local and radio-linked remote phone lines, extending your patch coverage to match your RF coverage. You don't even need a phone line at your site! The 250 autodial slots meet everyone's needs, with up to 35 digit storage for personal MCI/Sprint codes.

The easy-to-use mailbox lets you include phone numbers, times, or frequencies in messages. The controller is so smart, it'll leave you a message if you miss a reverse patch or an alarm.

Selective call capabilities range from CTCSS and two-tone to display paging, so you can always be available without having to listen. Voice response telemetry lets you remotely meter your site. Its continuous measurements with storage of updated min and max readings let you find out how cold it gets, how high the reflected power reads . . . and when.

Individual user access codes, with callsign ID, offer secure access to selected functions to completely prevent horseplay.

The industry's top-of-the-line controller, now better than ever, for *your* repeater.

acc advanced computer controls, inc.

2356 Walsh Avenue, Santa Clara, California 95051
(408) 727-3330

Full Membership Closes Year Down Slightly

— by Wayne C. Williams, K4MOB, Editor

Full Membership (repeater owners and operators), fell slightly for the calendar year of 1987, compared to the two previous years. 1985 was the biggest year of members in the actual 7 Districts, although the largest numbers were in 1986, when 67 Alabama repeaters joined when they were vying for District Status.

SERA maintained a 49% full Membership of the 1066 repeaters now listed in the 7 States. A total of 525 District repeaters and 7 Alabama repeaters end the year as SERA members on record. Six states had a 50% or better membership, with only Tennessee falling below the halfway mark with 36%, 17 over last year.

North Carolina led the way in membership percentage with 57%, followed by East Kentucky with 56% Georgia and West Virginia had 54%.

On the other hand, four states had gains in membership in 1987, while North Carolina, Georgia and East Kentucky had less Full Member repeaters for the year. The largest loss in membership was in North Carolina. They had 24 fewer repeater members than last year, followed with Georgia and a loss of 15 repeater members.

The dropping Full Membership trend over the past couple of years in SERA parallels the dropoff in Associate Memberships (repeater users) as members, even though the organization has had heavier than ever membership campaigns.

Repeater owners are reminded that your Full Membership renewal application is published in this issue of the Journal. You are urged to get it filled out and mailed before December 31 for your 1988 Full Membership.

Persons getting the Journal are urged to make copies of the application and pass it on to other repeater owners in your area who were not members in 1987, asking them to join our organization.

NO Full Membership applications will be mailed this year. The application in the Journal is the only one you will get for renewal. By doing it this way, SERA saves over $600 in printing and mailing costs, as well as some 30 hours of sorting and mailing by volunteers.

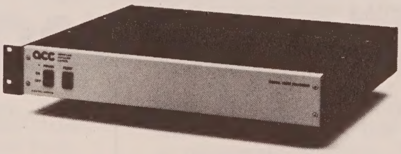
Please join us! Let's get over 600 member repeaters in 1988.

```
CVRA-SERA FULL MEMBERSHIP FROM 1983 TO DATE.     CORRECT AS OF 10-19-87
                                                 THRU ’87 APPL. # 332
            ------------------REPEATER-----------------------
             FINAL    FINAL    FINAL    FINAL    FINAL     1987    STATE  #-1987
STATE         1983     1984     1985     1986     1987    MBR %     RPTR  APPLIC

N.C.           100       83      149      147      123      57%      216      85
S.C.            24       35       56       43       44      54%       82      33
VA.*            58       60       92       88       98      50%      195      55
W.VA.           28       21       41       40       51      54%       94      28
TENN.           47       58       85       63       80      36%      224      45
GA.**            9       18      109      125      110      50%      221      62
E.KY***          1        4       18       21       19      56%       34      18
ALA.****         1        1        4       67        7       --       --       5
FLA.****        --       --       --        4       --       --       --       0
TOTALS         268      280      554      598      532      49%     1066     331

* TTL.VA.RPTRS.ALSO INCLUDE N.VA. - T-MARC TERRITORY)
**GA.ASSUMED DISTRICT STATUS IN 3rd QTR.OF 1985.
***K.KY.ASSUMED DISTRICT STATUS IN MID 1985.
****ALA.& FLA. NOT SERA DISTRICTS.
1987 % OF SERA FULL MBR DOES NOT INCL. ALA & FLA. --ONLY OUR 7 DISTRICTS
```

"The Digital Voice Recorder echos your thoughts"



ACC's Digital Voice Recorder allows you to remotely record your voice over the air using digital storage in its huge memory array. PCM recording results in the highest possible fidelity, so you're proud of how it sounds on your repeater.

The DVR's voice mailbox gives your repeater users computer bulletin-board like capability from any radio with a mic and Touch-Tone pad. With messages stored in voice, your users don't need special gear to enjoy the latest in communications technology (from anywhere).

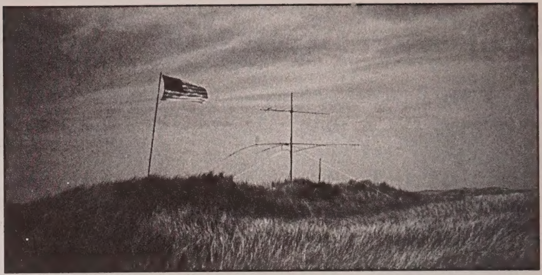
Your repeater's IDs and other messages can consist of remotely recorded DVR audio tracks which can provide information to your users — about your system, club, meetings, and special events. And you can make your repeater the friendliest around. With its no-compromise high quality PCM digital audio processing, even famous celebrities can sound like they're live at your repeater site!

The DVR connects easily to your RC-850 or RC-85 controller. And one DVR can support up to *three* repeaters for a cost effective installation.

The Digital Voice Recorder is the neatest thing to happen to repeaters since ACC's repeater controllers. Request our audio demonstration tape so you can hear it for yourself.

acc advanced computer controls, inc.

2356 Walsh Avenue, Santa Clara, California 95051
(408) 727-3330



Several Hams from Eastern North Carolina set up a "DXpedition" at Portsmouth Island, off the North Carolina Coast last May. Since the Island is uninhabited, it could be classified as DX. The group made up commemorative QSL cards to sent out to all who worked them. The photo to the left, shows the Portsmouth Village as it appears today. To the right, looking up to the DXpedition antennas.

WV Hams-Plane Crash

Continued From Page 14

continuing the search in darkness and a pouring rain.

The wreckage and survivors were found at 9:20 a.m. Sunday by Rex Sites, who was walking the ridgeline. About 50 volunteers worked most of Sunday transporting the victims to a road where vehicles could take over. It took seven or eight men to handle each stretcher during the descent down the steep mountainside.

Amateur radio operator Gene Kiser, KB8BUC, of Greenwalt Gap said hams played a key role in the operation. "The batteries on the state vehicles went dead after three hours or so (Saturday night)," Kiser said, "and Trooper Gillespie couldn't radio out on his regular unit."

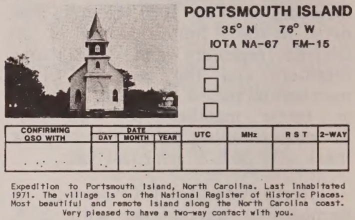
Trooper Gillespie later clarified that in a letter to me. He wrote he had a state police HT with a vehicle repeater in his car. The HT battery and auto battery gave out after several hours. He wrote that at that point all he had left was his ham HT but that was enough to maintain communications.

Kiser said he could still contact Gillespie ". . . through the repeater on Spruce Knob. Then I relayed his messages on to Elkins (State Police Company HQ) and Petersburg (detachment hq.)".

Kiser told reporters he learned of the accident about 6:00 a.m. Sunday and called for other amateur operators to assist. Within half an hour they were on the road furnishing their own autos, gasoline, time and equipment.

The Spruce Knob 146.055/146.655 repeater carries trooper Gillespie's N8HON call. Other hams active were Kiser, KB8BUC; Dick Fowler, N8FMD, Clarksburg; Bob Landes, N4FXH, Harrisonburg, Va.; Don Landes, WX4C, Harrisonburg, Va.; Butch Moon, WD8MUP, Clarksburg; Pat Patterson, KQ8E, Burlington, WV; and KA8LWN, Burlington, WV. Those involved handled 40 messages during the time they were involved. A number of other hams from Virginia and West Virginia were ready to respond but were turned back when the lost aircraft was located.

Killed in the crash were the pilot, Charles Hammerstein of Glen Rock, PA, and his father-in-law, 72-year-old Virgil S. Taylor or Seven Valleys, PA. The survivors were Hammerstein's wife, Gloria, 20, and her 13-year-old sister, Rebecca Lynn Taylor.



PORTSMOUTH ISLAND

35° N 76° W

IOTA NA-67 FM-15

☐

☐

☐

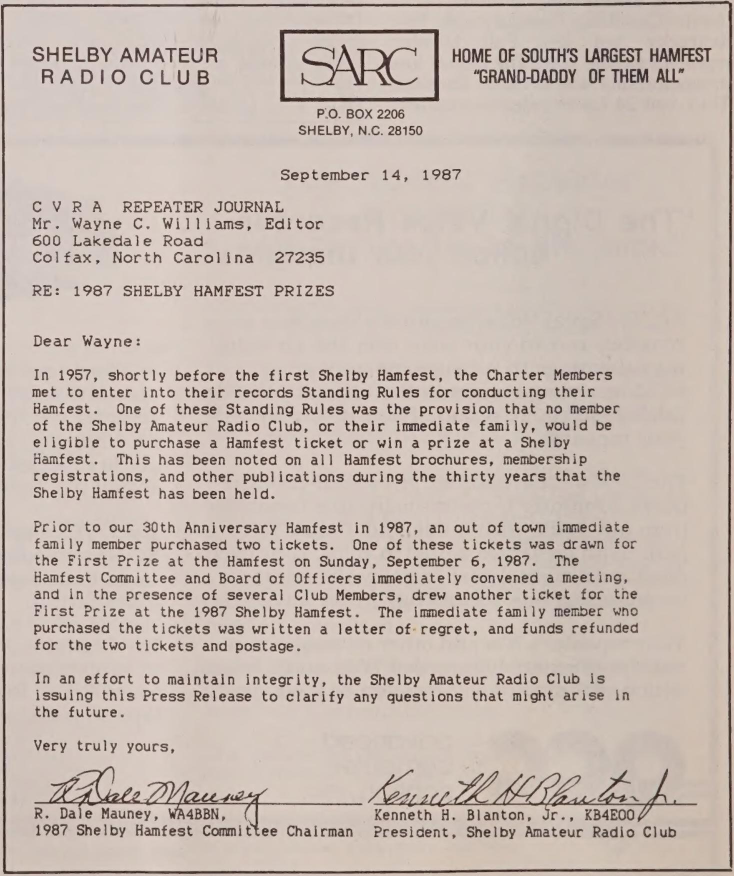
CONFIRMING QSO WITH	DATE			UTC	MHz	R S T	2-WAY
	DAY	MONTH	YEAR				

Expedition to Portsmouth Island, North Carolina. Last Inhabitated 1971. The village is on the National Register of Historic Places. Most beautiful and remote island along the North Carolina coast. Very pleased to have a two-way contact with you.

The Commemorative QSL card sent out to those who worked Portsmouth Island, during the DXpedition last May.

Full Membership Renewal

The Journal is providing Repeater owners with a full membership renewal application form in this issue. Remember, all memberships expire on December 31.



SHELBY AMATEUR
RADIO CLUB

SARC

HOME OF SOUTH'S LARGEST HAMFEST
"GRAND-DADDY OF THEM ALL"

P.O. BOX 2206
SHELBY, N.C. 28150

September 14, 1987

C V R A REPEATER JOURNAL
Mr. Wayne C. Williams, Editor
600 Lakedale Road
Colfax, North Carolina 27235

RE: 1987 SHELBY HAMFEST PRIZES

Dear Wayne:

In 1957, shortly before the first Shelby Hamfest, the Charter Members met to enter into their records Standing Rules for conducting their Hamfest. One of these Standing Rules was the provision that no member of the Shelby Amateur Radio Club, or their immediate family, would be eligible to purchase a Hamfest ticket or win a prize at a Shelby Hamfest. This has been noted on all Hamfest brochures, membership registrations, and other publications during the thirty years that the Shelby Hamfest has been held.

Prior to our 30th Anniversary Hamfest in 1987, an out of town immediate family member purchased two tickets. One of these tickets was drawn for the First Prize at the Hamfest on Sunday, September 6, 1987. The Hamfest Committee and Board of Officers immediately convened a meeting, and in the presence of several Club Members, drew another ticket for the First Prize at the 1987 Shelby Hamfest. The immediate family member who purchased the tickets was written a letter of regret, and funds refunded for the two tickets and postage.

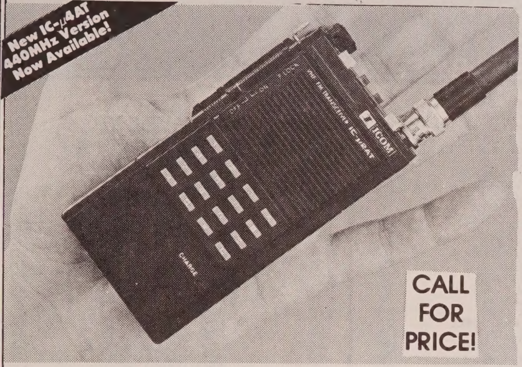
In an effort to maintain integrity, the Shelby Amateur Radio Club is issuing this Press Release to clarify any questions that might arise in the future.

Very truly yours,

R Dale Mauney
R. Dale Mauney, WA4BBN,
1987 Shelby Hamfest Committee Chairman

Kenneth H Blanton Jr.
Kenneth H. Blanton, Jr., KB4EOO
President, Shelby Amateur Radio Club

F & M - Your Complete North Carolina ICOM Dealer



New IC-μ4AT 440MHz Version Now Available!

CALL FOR PRICE!

ICOM MICRO

ONLY ICOM COULD BUILD IT!

A new micro-sized 2-meter handheld with all the performance and reliability you've come to expect from an ICOM!

The IC-μ2AT. A breakthrough that ends every amateur radio operator's quest for that one true, go-anywhere 2-meter handheld.

Miniaturization. The Micro gives you all the advantages and performance of a larger handheld, in a package so small, so refined, so well built that only ICOM could build it.

Measuring only 4.6" high by 2.3" wide, by 1.1" deep, the Micro fits in your pocket or purse as easily as a cassette tape. This miniaturization doesn't compromise ICOM quality. It's exactly what you'd expect from ICOM: high performance in a micro package.

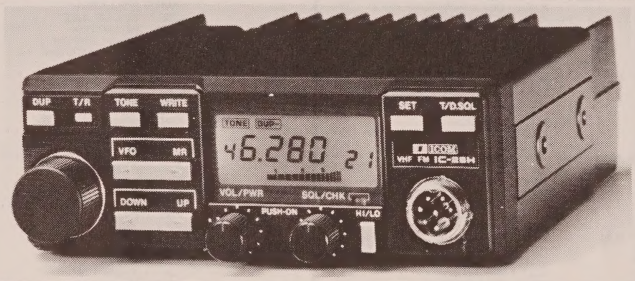
Full Featured. And ICOM hasn't compromised features for size. The IC-μ2AT DTMF version includes ten programmable memories, odd offset capability, an LCD readout on the top panel for easy readability, up to three watts of output (optional), 32 built-in subaudible tones AND wideband receive coverage from 138 to 162.995MHz in 5kHz steps for MARS/CAP operation and weather broadcasts. There's also a simple to use digital **TouchStep Tuning System** for fast shirt-pocket frequency adjustments. An IC-μ2A version is also available without DTMF and PL tones.

Accessories. The Micro utilizes most existing ICOM handheld accessories plus it hosts a new line of battery packs, long life to alkaline battery cases.

We now carry a complete Supply of ICOM Radios and Accessories. Call for Information Prices-Availability

Authorized ICOM Dealer

ICOM IC-28H



CALL FOR PRICE!

ON THE ROAD FOR LESS

- **Compact Size**
- **Simple to Operate**
- **Large LCD Readout**
- **25 or 45 Watts**
- **Packet Compatible**
- **21 Memory Channels**

The IC-28H has all the features you need for carefree 2-meter mobile operation. The only thing it doesn't have is a big price.

45 Watts. The IC-28H provides a full 45 watts of powerful output. The **IC-28A** 25-watt version is also available. Both units have a selectable low power.

Large LCD readout. A wide-view LCD readout can be easily read even in bright sunlight. An automatic dimmer circuit reduces the brightness for evening operation.

Wideband Coverage. The IC-28H performs from 138–174MHz (specifications guaranteed from 144.00–148MHz). Ideal for MARS and CAP operation.

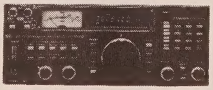
Compact Size. The IC-28H measures only 2 inches high by 5½ inches wide by 7¼ inches deep (IC-28A is 5¼ inches deep). Great for mobile installations where space is limited.

21 Memory Channels. To store your favorite frequencies, 21 memory channels are provided. All memories are backed up with a lithium battery.

Scanning. Scan the entire band or the memory channels from the provided HM-12 mic.

Easy to Operate. With only 12 front panel controls, the IC-28H is simple to operate.

Available Options. IC-HM14 DTMF mic, PS-45 13.8V 8A power supply, UT-29 tone squelch unit, SP-10 external speaker, HM-16 speaker mic and HS-15/HS-15SB flexible mic and PTT switchbox.



ICOM R-7000 RECEIVER

25-1300 Mhz. Coverage

While Present Supply Lasts!

$895.00

Includes Shipping

ICOM

Parts ● Accessories ● Microphones ● Batteries ● Books ● Antennas

F&M ELECTRONICS

Frank N4AZM & Mae Wyatt

3520 ROCKINGHAM ROAD NORTH
GREENSBORO, N.C. 27407
9:00 a.m. to 7:00 p.m. Daily Closed Mondays

(919) 299-3437

The Journal Repeater Index is the property of CVRA-Southeastern Repeater Assn., Inc. Computerized lists are maintained and updated 4 times a year for each issue of the REPEATER JOURNAL. Permission without writing is granted to individuals, clubs or organizations to use or reprint the Journal Repeater Index provided proper credit is given. CVRA-SERA cannot be responsible for incorrect or omitted listings. We make every attempt to keep our index as accurately as possible with information provided. Our lists contain certain repeaters which are not on the band plan or are uncoordinated solely to keep our readers informed of all repeaters. CVRA-SERA does not necessarily condone or favor such repeaters. Changes to the index may be made in writing to your State Director.

DISTRIBUTION OF REPEATERS BY FREQUENCY

The By-City Index Appears On Following Pages

2 METERS

7.43 /4.93	M	LYNCHBURG	VA
4.51 /5.11	TUN	AUGUSTA	GA
	VTA	DECATUR	GA
	RXG	SAURATOWN MT	NC
	JSD	KNOXVILLE	TN
	YPE	RICHMOND	VA
	MCR	SALT ROCK	WV
4.53 /5.13	SEX	NEWNAN	GA
	VLP	VALDOSTA/TIFTON	GA
	YNF	AHOSKIE	NC
	CHZ	AQUADALE	NC
	CS	GREENWOOD/HODGES	SC
	CMY	CHATTANOOGA-RTTY	TN
	OAK	LAFOLLETTE	TN
	VL	GALAX/LKOUT MT	VA
	FHE	BUCHANNON	WV
4.55 /5.15	IWZ	PIKEVILLE	EKY
	MM	ALBANY	GA
	AQL	ATLANTA/GA TECH	GA
	LI	MILLEDGEVILLE	GA
	UDS	MORENTN/HI PK	NC
	GBI	RANDLEMAN/GBO	NC
	RJC	DECATUR-PONE KB	TN
	HCK	FRANKLIN	TN
	JE	JAMESTOWN	TN
	ARO	PETERSBURG	VA
	DBN	MARMET/BEE MT	WV
	FSE	MARTINSBURG	WV
4.57 /5.17	DIW	JONESBORO	GA
	ZQB	NEWTON/ANDSN MT	NC
	EKK	OXFORD	NC
	QJF	COLUMBIA	SC
	V	LOUDEN	TN
	LHO	SMYRNA	TN
	DKL	BOLT/BOLT MT	WV
4.59 /5.19	IQT	BIRMINGHAM(AL)	GA
	ULJ	PINE MT/HAMILTON	GA
	BVW	MT MITCHELL	NC
	XX	JASPER	TN
	DOR	LEBANON	TN
	B	RICHMOND	VA
	JGY	WHEELING	WV
4.61 /5.21	U	DEAN	EKY
	PSZ	TYRONE	GA
	GGK	LEWISVILLE	NC
	ITL	TRENTON	NC
	NEP	GASTON	SC
	KFD	KNOXVILLE	TN
	BBB	KNOXVILLE	TN
	MS	KILMARNOCK	VA
	FEQ	HUNTINGTON	WV
4.63 /5.23	PPM	MIDDLESBORO	EKY
	JF	ADEL	GA
	JEH	CONYERS	GA
	UJ	DALTON	GA
	BFB	CHARLOTTE	NC
	RA	LAVERNE	TN
	DBB	BEDFD/APL ORCH	VA
	UMI	YORKTOWN	VA
	K	LOGAN/BLAIR MT	WV
4.65 /5.25	BZJ	DALTON	GA
	KQK	FOREST PARK	GA
	AZM	GOLD HILL/GBO	NC
	URP	CHARLESTON	SC
	DRL	MEM/FISHERVILLE	TN
4.67 /5.27	PN	WALESKA/PNLGMT	GA
	KNI	HENDSVL/BERWLW M	NC
	BEA	RALEIGH	NC
	WZK	HENDERSONVILLE	TN
	CJX	SEV/SHIELDS MT	TN
	JCE	MANASSAS	VA
	OG	CRAIGSVILLE	WV
4.69 /5.29	ICN	PRESTONSBURG	EKY
	DRQ	ATLANTA	GA
	BFB	CHARLOTTE	NC
	ACP	MAYODAN	NC
	PPD	SHALLOTTE	NC
	VCM	CHATTANOOGA	TN
	SQC	HOLSTON MT/E TN	TN
	FFM	NASHVILLE	TN
	NDH	CHESAPEAKE	VA
	FMD	CHARLESTON	WV
4.71 /5.31	CEK	COLUMBUS	GA
	JDR	STOCKBRIDGE	GA
	ITL	BURLINGTON	NC
	RFA	ROCK HILL	SC
	GRC	ATHENS	TN
	SC	JACKSON	TN
	FSC	ALEXANDRIA	VA
	BZS	LAYLAND/MANN MT	WV
4.73 /5.33	OGE	JONESBORO	GA
	J	MT AIRY/TRNR MT	NC
	DFP	BAMBERG	SC
	GMT	CUMBERLAND CTY	TN
	TAG	HICKORY VALLEY	TN
	TEM	KNOXVL/SHARPS RG	TN
	QQI	FARMVILLE	VA
	VNQ	PARSONS	WV
	GOE	WILLIAMSON	WV
4.75 /5.35	R	HARLAN	EKY
	CPL	DECATUR	GA
	FGQ	ROSSVILLE	GA
	AOS	CHARLOTTE	NC
	DAN	GREENVILLE	NC
	Y	HUMBOLDT	TN
	JYD	NASHVILLE	TN
	AZJ	BLAND	VA
	AQD	FALLS CHURCH	VA
4.77 /5.37	ACH	COLUMBUS-RTTY	GA
	IZF	JASPER	GA
	AGN	N. WILKESBORO	NC
	GRC	KNOXVILLE	TN
	CBF	MT JULIET	TN
	IMI	GLOUCESTER	VA
	FWL	BECKLEY/EOC	WV
4.79 /5.39	HYB	GRIFFIN	GA
	NJ	MONROE	NC
	TZ	CHATTANOOGA	TN
	EPC	GREENEVILLE	TN
	DOR	HERMITAGE	TN
	VM	STANTONVILLE	TN
	ZIV	GALAX	VA
	EOM	WESTON	WV
4.81 /5.41	PME	ATLANTA/BELL	GA
	XO	HIGH POINT	NC
	KNU	WILLIAMSTON	NC
	TUO	GREENEVILLE	TN
	FHE	BUCKHANNON	WV
	SLI	CHARLESTON/HTGN	WV
4.83 /5.43	LCI	ATLANTA/SWEAT MT	GA
	VBA	LINEVILLE(AL)	GA
	OLL	MACON	GA
	ITL	SPARTA/GREEN MT	NC
	HWU	COLUMBIA	SC
	UCE	COOKEVILLE	TN
	SQT	RICHMOND	VA
	WHQ	CHARLESTON	WV
	LG	MORGANTOWN	WV
4.85 /5.45	TX	LEXINGTON	EKY
	BOC	STONE MT	GA
	PLY	CROWDERS MT	NC
	WTX	DURHAM	NC
	GRW	NEWPORT	NC
	SIR	BENTON	TN
	E	SPRING HILL	TN
	SXZ	WELCH	WV
4.87 /5.47	CLA	ATLANTA/SWEAT MT	GA
	GIC	SAURATOWN MT	NC
	OXE	INMAN	SC
	CKB	KNOXVILLE	TN
	OMO	MOUNTAIN CITY	TN
	ARK	NASHVILLE	TN
	EFJ	ARLINGTON	VA
	FG	KINGSTON/LICK KB	WV
4.89 /5.49	JA	AUGUSTA	GA
	RWS	CORDELE	GA
	QPL	MARIETTA	GA
	ZCZ	FRANKLIN	NC
	CBI	RALEIGH	NC
	ABW	RKY RDG/WALLACE	SC
	KKO	MCMINVL/SHT MT	TN
	KOG	MEMPHIS	TN
	MOP	BLUEFIELD	VA
	OHX	NEWPORT NEWS	VA
	MOP	BLUEFIELD	WV
6.895/6.295	T	HARTWELL	GA
6.925/6.325	ASI	COVINGTON	GA
6.01 /6.61	FIZ	COLUMBUS	GA
	BDP	WARNER ROBINS	GA
	SNI	GREENSBORO	NC
	JMS	NEW BERN	NC
	GY	CHELSEA	SC
	NYK	GRNVLE/CSRS HD	SC
	JMT	MYRTLE BEACH	SC
	CMY	CHATTANOOGA	TN
	PCD	NASHVILLE	TN
	LSP	BRUMLEY MT	VA
	GSP	CHESAPEAKE	VA
	WWQ	LYNCHBURG	VA
	MZI	GASSAWAY	WV
6.025/6.625	UPE	UNION CITY	GA
	JWP	VIDALIA	GA
	QWK	LARNBRG/SCOTLAND	NC
	ZQX	MARTIN	TN
	AVW	NEW MARKET	VA
	BZS	FLAT TOP/WINTERP	WV
6.04 /6.64	YZY	PINEVILLE	EKY
	LWT	AUGUSTA	GA
	FWD	CARROLLTON	GA
	GVG	WAYCROSS	GA
	YAO	HENDERSONVILLE	NC
	DW	RALEIGH	NC
	GIC	WINSTON-SALEM	NC
	P	SUMTER	SC
	RX	CROSSVILLE	TN
	GYS	MEMPHIS	TN
	NTM	NASHVILLE	TN
	WIC	FINCASTLE	VA
	BIW	MARION	VA
	QEY	RICHMOND	VA
	EZR	HUNTINGTON/CHAS	WV
6.055/6.655	NFP	MARIETTA	GA
	CEB	CONCORD/KANNAP.	NC
	VTX	ELIZABETH CITY	NC
	ABU	BROWNSVILLE	TN
	Z	CHATT/SIGNAL MT	TN
	PDP	ALEXANDRIA	VA
	ISI	ALTAVISTA	VA
	HON	SPRUCE KNOB	WV
6.06 /6.66	BKM	MACON	GA
6.07 /6.67	VHF	HAZARD	EKY
	NSO	GAINESVILLE	GA
	EQL	JESUP	GA
	ZIN	BURLINGTON	NC
	TMT	CHERRY MT	NC
	SJ	HALIFAX	NC
	ILW	BRISTOL	TN
	BGW	LAFOLLETTE/WMT	TN
	NTM	NASHVILLE S.W.	TN
	HZS	BARREN SPRINGS	VA
	ZR	LEXINGTON	VA
	NTG	WILLIAMSBURG	VA
	JNU	RAVENSWOOD	WV
6.08 /6.68	IQT	LEEDS(AL)	GA
6.085/6.685	IWL	ADAIRSVILLE	GA
	UWN	FAYETTEVILLE	GA
	NBR	GRIFTON	NC
	O	STATESVILLE	NC
	CO	NEWBERRY	SC
	PIO	LENOIR CITY	TN
	Q	WAVERLY	TN
	HTA	VIENNA	VA
	FMD	CLARKSBURG	WV
6.10 /6.70	JO	GRAYSON	EKY
	MM	ALBANY	GA
	OOM	JASPER	GA
	DOJ	MILLEDGEVILLE	GA
	NLX	SAVANNAH	GA
	CID	DUNN	NC
	PAX	LANCASTER	SC
	UOT	MANCHESTER	TN
	UFT	MEMPHIS	TN
	YGM	UNION CITY	TN
	WQS	DANVILLE/WHT OAK	VA
	BHH	DUFFLD/POWLL MT	VA
	D	NORFOLK	VA
	XD	STAUNTON	VA
	JNU	RAVENSWOOD	WV
6.115/6.715	ABZ	RINGGOLD	GA
	GGN	MILLERS CREEK	NC
	KDC	SPRING LAKE	NC
	NEP	COLUMBIA	SC
	I	BLACKSBURG	VA
	TXE	STERLING	VA
	GL	SHERRARD	WV
6.13 /6.73	SWF	LOUISA	EKY
	MM	ALBANY	GA
	NC	ATLANTA/SWEAT MT	GA
	TVE	BRUNSWICK	GA
	FT	MARIETTA	GA
	BWC	RALEIGH	NC
	EXU	SALISBURY	NC
	VNK	WILMINGTON	NC
	FKJ	N. AUGUSTA	SC
	BJY	SIMPSONVILLE	SC
	IOB	KNXVL/ENG MT	TN
	VZ	LEBANON	TN
	DAZ	MEMPHIS	TN
	DHO	HAMPTON	VA
	AVZ	ALDERSON	WV
6.145/6.745	BKF	ATHENS	GA
	N	DILLON/PEE DEE	SC
	HF	DYERSBURG	TN
	QOJ	ROANOKE/POOR MT	VA
	FMD	BURLINGTON	WV
6.16 /6.76	BOC	ATLANTA/STONE MT	GA
	APS	VALDOSTA	GA
	BVW	ASHVL/MT PISGAH	NC
	MSS	GREENSBORO	NC
	S	SWANSBORO	NC
	THL	WILSON	NC
	ILT	CHARLESTON	SC
	OCB	FT JACKSON	SC
	LSP	BRISTOL/HLSTN MT	TN
	PQP	NASHVILLE	TN
	TFZ	CHARLOTTESVILLE	VA
	STE	LYNCHBURG	VA
	VA	HUNTINGTON	WV
	CUL	MORGANTOWN	WV
	JDH	WHEELING	WV
6.175/6.775	KE	MARIETTA	GA
	OCB	WRENS	GA
	BFB	CHARLOTTE/RTTY	NC
	DHW	ELIZABETHTOWN	NC
	JVO	PULASKI/MUS MT	TN
	EMS	WYTHEVILLE	VA
6.19 /6.79	GEL	PIKEVILLE	EKY
	DMK	FOLKSTON	GA
	KOW	MOULTRIE	GA
	SEX	NEWNAN	GA
	VYX	SWAINSBORO	GA
	LZD	CLINTON	NC
	LDK	SAURATOWN MT	NC
	FVV	ANDERSON/SAS MT	SC
	IVE	CHARLESTON	SC
	DSK	CHATTANOOGA	TN
	ABR	JOHNSON CITY	TN
	SQE	NASHVILLE	TN
	SD	CHESAPEAKE	VA
	LBL	FAIRFAX	VA
	CFT	OAK HILL	WV
6.205/6.805	NNE	GUTHRIE	EKY
	LT	MILLEDGEVILLE	GA
	EWG	FAYETTEVILLE	NC
	NOQ	GASTONIA	NC
	NNA	GUTHRIE (TN/KY)	TN
	HTI	COVINGTON	VA
7.405/6.805	HCY	MAGGIE VALLEY	NC
6.22 /6.82	MM	ALBANY	GA
	DOC	ATLANTA	GA
	PZA	ROARING GAP	NC
	GMP	WILMINGTON	NC
	NYK	GRNVLE/PARIS MT	SC
	OAH	LAKE CITY	TN

Continued On Next Page

REPEATERS BY FREQUENCY

	BS	MEMPHIS	TN
	UEW	WINCHESTER	TN
	RKC	WINCHESTER	VA
	IFS	CHARLESTON	WV
6.235/6.835	UA	AUGUSTA	GA
	P	HAMPTON	GA
	QCO	ASHEVILLE	NC
	JXG	NAGS HEAD/BODIE	NC
	IAT	WADESBORO	NC
	CYZ	HAZEL MT	VA
	ECM	RICHMOND	VA
7.435/6.835	BPV	HIGH POINT	NC
6.25 /6.85	IXA	PIKEVILLE	EKY
	DVJ	DALLAS	GA
	R	LAGRANGE	GA
	HON	WARNER ROBINS	GA
	CYP	GOLDSBORO	NC
	MDW	HICKORY/BRT. MT	NC
	YFT	REIDSVILLE	NC
	ULH	FLORENCE	SC
	KJH	GTLBG/COVE MTN	TN
	KOG	MEMPHIS	TN
	PCD	NASHVILLE	TN
	MG	PORTSMOUTH	VA
	ZBP	STAUNTON	VA
	BO	BECKLEY/FLAT TOP	WV
	WYH	BUCKHANNON	WV
6.265/6.865	DKY	MADISON	GA
	YF	BIG KNOB/GREY CT	SC
	G	FAYETTEVILLE	TN
7.465/6.865	ZRS	WAXHAW	NC
6.28 /6.88	U	MAYTOWN	EKY
	AGO	COLUMBUS	GA
	BTI	MARIETTA	GA
	NKL	QUITMAN	GA
	HBB	SAVANNAH	GA
	ITL	RALEIGH	NC
	NYR	SHELBY	NC
	AVU	COLUMBIA	SC
	CYZ	BRISTOL	TN
	PCD	NASHVILLE	TN
	SKH	OAK RIDGE	TN
	CYZ	BRISTOL	VA
	ZBE	RICHMOND	VA
	PDL	SALEM	VA
	CQV	CHARLESTON	WV
6.295/6.895	YFF	MADISON	NC
	OOA	WAXHAW	NC
	KXV	VIRGINIA BEACH	VA
6.30 /6.90	ACN	JASPER(AL)	GA
	SP	FAIRMONT	WV
6.31 /6.91	GFY	MOREHEAD	EKY
	FOW	CLEVELAND/LONG	GA
	HYB	GRIFFIN	GA
	ZGQ	AHOSKIE	NC
	MOE	ASHVL/SPIVEY MT	NC
	YZF	FAYVLLE/CFARS	NC
	IZM	LEXINGTON	NC
	BWZ	WHITE HALL	SC
	DQU	SAVANNAH	TN
	YXA	SHORT MTN	TN
	AXH	BLACKSTONE	VA
	OVC	JONESVILLE	VA
	TUE	MT. LK/BALD KNB	VA
	FMD	TYSONS CORNER	VA
	ULB	MCMECHEN	WV
6.325/6.925	CWZ	ROCK HILL	SC
	TFZ	CHARLOTTESVILLE	VA
	GJG	DANVILLE(DCC)	VA
	OGY	PRINCETON/PIPEST	WV
6.34 /6.94	SN	ASHLAND	EKY
	N	AUGUSTA	GA
	VO	ROME	GA
	RVB	WRIGHTSVILLE	GA
	DLH	BURGAW	NC
	BFB	CHARLOTTE	NC
	BFT	DURHAM	NC
	ACY	MANTEO/WANCHESE	NC
	ZAS	MT AIRY-RTTY	NC
	IQQ	GREENVILLE	SC
	CKB	KNOXVILLE	TN
	BN	MEMPHIS	TN
	PCD	NASHVILLE	TN
	UMI	HAMPTON	VA
	ZA	RICHMOND	VA
	QET	ROANOKE	VA
	CSW	NEW MARTINSVILLE	WV
	VKB	SUMMERSVILLE	WV
	JN	WEIRTON	WV
7.54 /6.94	CSW	NEW MARTINSVLLE	WV
6.355/6.955	KIN	PERRY	GA
	EFL	YNG HRS/RCKY TP	GA
	ULA	ROCKINGHAM	NC
	MZ	ONEIDA PEAK/BLF	VA
6.37 /6.97	OD	ATLANTA	GA
	HBB	SAVANNAH	GA
	ZAS	MT AIRY	NC
	JQ	SMITHFIELD	NC
	SZ	ANDERSON	SC
	ISM	FLORENCE	SC
	TRC	KNGSPT/BAYS MT	TN
	MWQ	MCMINNVILLE	TN
	BEZ	MEDINA	TN
	SKH	OAK RIDGE	TN
	FPM	MANASSAS	VA
	WRN	STAUNTON	VA
	KXV	VIRGINIA BEACH	VA
	DRV	LOGAN/WARD RK MT	WV
	CRW	PARKERSBURG	WV
6.385/6.985	I	AUGUSTA	GA
	HHH	ELLIJAY	GA
	TOV	PRESTON	GA
	OGB	ALBEMARLE	NC
	ROZ	OLD FORT	NC
	ESG	MT PLEASANT	SC
	CA	ROANOKE/POOR MT	VA
6.40 /7.00	NNO	ATLANTA	GA
	LDK	HIGH POINT	NC
	FVO	JACKSONVILLE	NC
	YLT	MARION	SC
	YXZ	PICKENS	SC
	FZJ	MEMPHIS	TN
	HMT	SUFFOLK	VA
	GDY	ST ALBANS	WV
7.60 /7.00	WAU	ELKHORN CITY	EKY
	DXZ	LANETT(AL)	GA
	KMG	BLOUNTVILLE	TN
	ZOK	CHATT/SIGNAL MT	TN
	TEQ	CLARKSVILLE	TN
	ZR	TERRA ALTA	WV
7.615/7.015	FOW	CLEVELAND/LONG	GA
	MST	WARNER ROBINS	GA
	KPF	LK NORMN/CLT	NC
	UMU	SUMTER	SC
	RHV	HARRIMAN	TN
	K	NASHVILLE	TN
	YGM	UNION CITY	TN
	LNT	FREDRICKSBURG	VA
6.43 /7.03	YTZ	ROCK HILL	SC
	LGH	LEXINGTON	TN
	ODR	MILLINGTON/NB	TN
	JST	RICHMOND	VA
7.63 /7.03	REI	ATLANTA/AIRPORT	GA
	GG	GREENSBORO	NC
	DTS	ROANOKE RAPIDS	NC
	FOF	BARNWELL	SC
	JYR	MYRTLE BEACH, N	SC
	NIQ	FAYETTEVILLE	TN
	ZJM	MEMPHIS	TN
	PRQ	MORRISTOWN	TN
	BLD	WAYNESBORO	VA
	IT	MULLENS/HRNDN MT	WV
	ECC	ST MARYS/BENS R	WV
6.445/7.045	FLR	FAYETTEVILLE	NC
	CNS	ROB/JOANNA BLD	NC
	YVM	ARLINGTON	VA
7.645/7.045	TYM	METTER	GA
	JRL	STATSVL/ASBRY MT	NC
	WA	RADFORD	VA
	WRN	STAUNTON/EL. KB	VA
	SBC	VIRGINIA BEACH	VA
6.06 /7.06	JYR	MADISON	WV
6.46 /7.06	CQ	CHARLOTTE	NC
	MQQ	MEMPHIS	TN
	LBM	VOLENS	VA
	WL	PRINCETON	WV
7.66 /7.06	ICT	MACON	GA
	CLA	ROSWELL	GA
	UCJ	THOMASVILLE	GA
	LED	MACO	NC
	VFR	SUMTER	SC
	LYF	GRNVLE/GRYSTN	TN
	QEB	SHELBYVILLE	TN
	ECM	CHESTERFLD CO	VA
	KNM	POINT PLEASANT	WV
6.475/7.075	VGZ	BURLINGTON	NC
7.675/7.075	JXR	SNELLVILLE	GA
	HBQ	BURLINGTON	NC
	BVO	CLARKSVILLE	TN
	KAC	KNOXVILLE	TN
	PNT	WAYNSBR/BEAR DEN	VA
7.69 /7.09	NDB	FLAT GAP	EKY
	YK	PHELPS	EKY
	CVE	ST SIMONS ISL	GA
	GDF	GREENVL/ESTN NC	NC
	OXE	SPARTANBURG	SC
	BSA	SPARTA/BON AIR	TN
	VL	GALAX/BRIRP MT	VA
7.705/7.105	YSB	ATLANTA	GA
	GHH	MARION	NC
	JCK	MONROE/UCARS	NC
	JBJ	BEDFORD	VA
	VNQ	MT STORM	WV
7.72 /7.12	ASZ	WINCHESTER	EKY
	MM	ALBANY	GA
	S	AUGUSTA	GA
	CMA	CEDARTOWN	GA
	REW	GAST/SPCR MT	NC
	FTB	GIBSONVILLE	NC
	EWL	ROCKY MOUNT	NC
	YGE	MYRTLE BEACH	SC
	DAZ	MEMPHIS	TN
	EAJ	OAK RIDGE	TN
	FAF	CULPEPPER	VA
	DKM	BRIDGEPORT	WV
	VKI	DUNBAR	WV
7.735/7.135	BZJ	DALTON	GA
	JFE	VALDOSTA	GA
	CJS	BREVARD/RICH MTN	NC
	ABW	CHERAW	SC
	EDS	ALAMO	TN
	AZJ	PEARISBURG	VA
	HB	RICHMOND	VA
7.745/7.145	KNE	MT. STERLING	EKY
7.75 /7.15	MWA	DOG FORK MT	EKY
	TFW	ALBANY	GA
	BYK	CUMMING/SAWNEE	GA
	VLY	MORGANTON	NC
	ITL	RALEIGH	NC
	BJM	MONCKS CORNER	SC
	SDT	SIMPSONVILLE	SC
	KUB	MEMPHIS	TN
	PCD	NASHVILLE	TN
	EAJ	OAK RIDGE	TN
	QKH	TAZEWELL	VA
	SVR	ST ALBANS	WV
7.765/7.165	TCU	DOUGLAS	GA
	RT	HIGH POINT	NC
	YF	GREENWOOD	SC
	CEX	PURYEAR	TN
	CTF	NEWPORT NEWS	VA
	FJT	WARRENTON	VA
7.78 /7.18	BMA	AUGUSTA	GA
	NHW	BALDWIN	GA
	BI	SYCAMORE	GA
	EJJ	SANFORD	NC
	CTJ	WILMINGTON	NC
	SC	FT MILL/CAROWND	SC
	NAT	GOOSE CREEK	SC
	PCD	NASHVILLE	TN
	DES	POLK CTY/OSWALD	TN
	KAF	PETERSBURG	VA
	Z	PKS KB/PULASKI	VA
	NMT	LEON	WV
7.795/7.195	SMX	ATLANTA	GA
	RD	CAIRO	GA
	WB	MURPHY	NC
	RTS	LYNCHBURG	VA
7.81 /7.21	SG	CONYERS	GA
	LN	DALTON	GA
	NLX	SAVANNAH	GA
	BUZ	GREENSBORO	NC
	MSD	WHITEVILLE	NC
	AVU	LITTLE MT.	SC
	WS	COOKEVILLE	TN
	WKZ	JACKSON	TN
	IWG	MCLEAN	VA
	AXO	WISE/HIGH KNOB	VA
	TC	CHARLESTON	WV
7.825/7.225	LVY	SUMMERVILLE	GA
	WTX	HILLSBOROUGH	NC
	DTW	LAKE MARION	SC
	OAH	MORRISTOWN	TN
	SDC	YORKTOWN	VA
7.84 /7.24	DII	ASHLAND	EKY
	NFG	IRWINTON	GA
	NIW	CARTHAGE	NC
	ACP	EDEN/MAYODAN	NC
	BKU	FOREST CITY	NC
	GHZ	FRANKLIN	NC
	BAL	HILTON HEAD	SC
	BGF	LANCASTER	SC
	NIT	GALLATIN	TN
	OKH	SOUTH HILL	VA
	FQR	WOODBRIDGE	VA
7.855/7.255	KDT	ATLANTA	GA
	AV	ASHEBORO	NC
	KNI	HENDSVL/PINCK MT	NC
	SI	PETROS	TN
	TVS	ACCOMAC	VA
	DCX	GRUNDY/BIG A MT	VA
	VAZ	MARTINSBURG	WV
7.885/7.255	BZU	DONELSON	TN
7.87 /7.27	GEL	PIKEVILLE	EKY
	VBH	AMERICUS	GA
	PJE	FORT PAYNE(AL)	GA
	H	BENSON	NC
	SM	WAYNESVILLE	NC
	LET	CHARLESTON	SC
	JRJ	SENECA/LONG MT	SC
	YQC	GALLATIN	TN
	FH	JOHNSON CITY	TN
	GX	GUM SPRING	VA
	SLI	CHARLESTON/HGTN	WV
7.885/7.285	BI	ASHBURN	GA
	VBX	ATLANTA/GPCO	GA
	ADM	AIKEN	SC
	DCD	BRKSVLLE/MYTL BE	SC
	I	ROCKY SPUR	SC
	MJM	PIKEVILLE	TN
	L	MARTINSVILLE	VA
7.90 /7.30	HNM	ROME	GA
	HNM	SVR CRK/MT ALTO	GA
	HON	WARNER ROBINS	GA
	ATW	JACKSONVILLE	NC
	YJG	JEFFERSON	NC
	NHV	LUMBERTON	NC
	OMV	TUCKASEGEE	NC
	LWS	CHARLESTON	SC
	LWS	MT PLEASANT	SC
	BBB	KNOXVILLE	TN
	ADT	MEMPHIS	TN
	ZSA	NASHVILLE	TN
	SPS	FRANKLIN	VA
	ZR	LEXINGTON	VA
	TSC	WINCH/BLUEMONT	VA
	NSL	HARRISVILLE	WV
	BKX	HUNTINGTON	WV
7.915/7.315	RBW	UNION CROSS	NC
	HQT	JASPER	TN
	HFH	ALEXANDRIA	VA
	MR	CLARKSBURG	WV
7.92 /7.32	HWQ	GRUNDY	VA
7.93 /7.33	KWH	ASHLAND	EKY
	KNE	MT. STERLING	EKY
	BXO	LAGRANGE	GA
	DIP	TOCCOA	GA
	LPL	FAYVLLE/FT BRAGG	NC
	K	LENOIR/HIBRITN	NC
	KIO	COLUMBIA	SC
	VXW	COVINGTON	TN
	CV	CROSSVILLE	TN
	AJS	NASHVILLE	TN
	PQD	LEXNGTN/COLE MT	VA
	ZIP	WARSAW	VA
7.94 /7.34	NEQ	ATLANTA/SWEAT MT	GA
7.945/7.345	IZD	LYNCH/BLACK MT	EKY
	NYR	SHELBY	NC
	TEP	WASHINGTON	NC
	WF	HENDERSONVILLE	TN
	VR	WYTHEVILLE	VA
	RUA	FRANKLIN	WV
7.95 /7.35	YZR	DANVILLE	VA
7.96 /7.36	EO	DOUGLASVILLE	GA
	HZX	DUBLIN	GA
	V	BOONE/RICH MTN	NC
	LDB	DURHAM	NC
	Z	LUMBERTON	NC
	OAK	KNXVL/CROSS MT	TN
	MMI	MEMPHIS	TN
	NTM	NASHVILLE S.	TN
	KLX	PARIS	TN
	CBB	CHESTERFIELD	VA
7.975/7.375	TQU	ATHENS	GA
	AQS	CALHOUN	GA
	YN	BURNSVILLE	NC
	ROK	GREENVILLE	NC
	DMI	GEORGETOWN	SC
	LEO	GREENVILLE	SC
	BTJ	HILLSVILLE	VA
	ILD	LYNCHBURG	VA

PLEASE NOTE!

The letters column between the frequency and city indicate suffixes of the repeater callsign.

REPEATERS BY FREQUENCY CONTINUED

	NV	VIRGINIA BEACH	VA
	LNB	GRAFTON	WV
	WMX	ST ALBANS	WV
7.99 /7.39	PDJ	JENKINS	EKY
	IMK	THOMASTON	GA
	PLY	CHARLOTTE	NC
	QBG	EDEN/STONEVILLE	NC
	MKL	SMITHFIELD	NC
	FEC	LEXINGTON/LIT MT	SC
	TA	CLARKSVILLE	TN
	ZLA	DAYTON/RHEA CTY	TN
	SBX	GRAY	TN
	AJO	MADISON	VA
	ARO	PETERSBURG	VA
	JZN	PARKERSBURG	WV
6.16 /7.76	ZIN	WILLIAMSBURG	VA
7.315/7.915	SPJ	FORSYTH	GA
7.705/.105	D	STATESBORO	GA

220 MHZ

1.11 /PKET	BOX	JACKSON	TN
3.70 /PKET	GQX	SAWNEE MT/CUMMIN	GA
2.12 /3.72	PGA	LOUISA	EKY
2.30 /3.90	RAB	HERMITAGE	TN
2.32 /3.92	AZA	HIGH POINT	NC
2.34 /3.94	QK	ASHLAND	EKY
	BVW	ASHVL/MT PISGAH	NC
	WTX	HILLSBOROUGH	NC
	GP	CLARKSVILLE	TN
2.36 /3.96	C	ROCKY MOUNT	NC
2.38 /3.98	APS	VALDOSTA	GA
	HUV	LINWOOD	NC
	ILY	GREER	SC
	ZSA	GALLATIN	TN
2.40 /4.00	IZP	JASPER	GA
	ZIA	LOCUST	NC
	ARO	PETERSBURG	VA
2.90 /4.00	JEH	CONYERS	GA
2.42 /4.02	EHF	FAYETTEVILLE	NC
	MDW	HICKORY	NC
	TB	NASHVILLE	TN
2.44 /4.04	BZJ	DALTON	GA
2.46 /4.06	UPC	BUCHANAN/HARALSO	GA
	N	PICKENS/SASFR MT	SC
	BZS	FLT TP/WNTRPLACE	WV
2.48 /4.08	UEX	NASHVILLE	TN
2.50 /4.10	YHD	FAIRFAX	VA
	DBB	ROANOKE	VA
2.52 /4.12	NFP	ATLANTA/SWEAT MT	GA
	FEC	LITTLE MT	SC
	MEY	NASHVILLE	TN
2.54 /4.14	WOR	LUMBERTON	NC
	QHF	PICKENS/CSRS HD	SC
	SGS	FRANKLIN	TN
	YYW	WILLIAMSON	WV
2.56 /4.16	K	LENOIR/HIBRITN	NC
	TA	CLARKSVILLE	TN
2.58 /4.18	TAG	HICKORY VALLEY	TN
	DAS	VIRGINIA BEACH	VA
2.62 /4.22	AWB	NASHVILLE	TN
2.64 /4.24	KNI	HENDSVL/BERWLW M	NC
2.66 /4.26	NP	MT. JULIET	TN
2.68 /4.28	M	LYNCHBURG	VA
2.70 /4.30	PVI	STATESVILLE	NC
2.72 /4.32	JBF	THOMASVILLE	GA
2.74 /4.34	DOC	ATLANTA	GA
	DFH	FRIES/SAND MTN	VA
2.76 /4.36	TYO	MARSHALL	NC
2.78 /4.38	AUG	DANVILLE	VA
2.80 /4.40	ZC	CHARLT/MINT HL	NC
2.82 /4.42	GSM	NORTON/HIGH KB	VA
2.84 /4.44	OG	NASHVILLE	TN
2.86 /4.46	YON	KNOXVILLE	TN
2.88 /4.48	LNB	GRAFTON	WV
2.90 /4.50	KSM	CANTON	GA
	BBB	KNOXVILLE	TN
	DRL	MEM/FISHERVILLE	TN
2.94 /4.54	BVW	MT MITCHELL	NC
2.96 /4.56	DOC	ATL/CHESTNUT MT	GA
	JEH	CONYERS	GA
2.98 /4.58	F	PIKEVILLE	EKY
3.00 /4.60	N	ASHEVILLE	NC
3.02 /4.62	ETG	PIKEVILLE	EKY
	ZTL	ATLANTA/BELL	GA
3.04 /4.64	PEN	RALEIGH	NC
	YHH	WINSTON-SALEM	NC
3.06 /4.66	TG	GRAY	GA
	MEY	NASHVILLE	TN
3.08 /4.68	KPF	LK NORMN/CLT	NC
3.10 /4.70	RXG	SAURATOWN MT	NC
3.12 /4.72	MSK	MT. TOXAWAY	NC
3.14 /4.74	FG	KINGSTON/LICK KB	WV
3.16 /4.76	BOC	STONE MT	GA
	EXU	SALISBURY	NC
	OAK	DAN/WHT OAK	VA
3.18 /4.78	VCM	CHATTANOOGA	TN
	UCI	JOHNSON CITY	TN
3.20 /4.80	PML	MORGANTON	NC
3.22 /4.82	C	ATLANTA	GA
	IKY	GREENSBORO	NC
	CCF	ALEXANDRIA	VA
3.24 /4.84	KVC	DALTON	GA
	ACY	PERRY	GA
	DAN	GRIFTON	NC
	PLV	BEDFORD	VA
3.26 /4.86	TEM	KNOXVILLE	TN
	UHA	NEWPORT NEWS	VA
3.28 /4.88	RXG	SAURATOWN MT	NC
3.30 /4.90	QPL	MARIETTA	GA
	EOY	COLUMBIA	SC
	ZOK	CHATT/SIGNAL MT	TN
3.34 /4.94	UPC	BUCHANAN/HARALSO	GA
	EV	ROSSVILLE	GA
	NKM	GREENEVILLE	TN
	GVC	CHESAPEAKE	VA
	DBB	ROANOKE/POOR MTN	VA
3.36 /4.96	UDS	CHERRYVILLE	NC
	JVX	GOLDSBORO	NC
3.38 /4.98	JSR	CUMMINS/SAWNE MT	GA
	CHP	FALLS CHURCH	VA
2.30 /.90	NSO	GAINESVILLE	GA

440 MHZ

3.80 /PKET	KDC	NASHVILLE	TN
	CPF	SEWANEE	TN
	YXA	SHORT MTN	TN
	VVX	WAVERLY	TN
3.80 /PKET	VVX	RIPLEY	TN
6.50 /PKET	KQQ	MEMPHIS	TN
9.45 /5.67	DOC	ATLANTA	GA
9.25 /1.25	KIP	ATLANTA	GA
	PXX	BRUNSWICK	GA
	AZA	SAURATOWN MT	NC
	GUP	LEXINGTON	SC
	UMU	SUMTER	SC
	GGK	LEWISVILLE	NC
	WIN	NORFOLK	VA
	MM	ALBANY	GA
	NYR	SHELBY	NC
7.00 /2.00	WAY	PICKENS/CSRS HD	SC
	BIW	MARION	VA
	CSG	WINCHESTER	VA
7.05 /2.05	DXZ	LANETT(AL)	GA
	PML	MORGANTON	NC
	XX	JASPER	TN
	BEZ	MEDINA	TN
7.10 /2.10	ACP	EDEN	NC
	ABJ	MILAN	TN
7.15 /2.15	BEA	RALEIGH	NC
7.175/2.175	EO	ROCKY FACE	GA
7.20 /2.20	BJY	JACKSON	TN
	LNB	GRAFTON	WV
7.25 /2.25	HQT	JASPER	TN
	HTI	COVINGTON	VA
7.325/2.325	JSR	CHATTANOOGA	TN
7.50 /2.50	NTZ	KNOXVILLE	TN
	CA	ROANOKE/POOR MT	VA
7.55 /2.55	JEH	CONYERS	GA
7.70 /2.70	HON	ROANOKE	VA
7.80 /2.80	EPG	JACKSON	TN
	QWW	MEMPHIS	TN
7.90 /2.90	AZA	HIGH POINT	NC
8.00 /3.00	EO	CHATSWORTH	GA
	VL	GALAX/PT LOOKOUT	VA
8.05 /3.05	JVX	GOLDSBORO	NC
	PUB	MT JULIET	TN
8.10 /3.10	IZD	LYNCH/BLACK MT	EKY
	GGC	SAURATOWN MT	NC
	G	FAYETTEVILLE	TN
	FHE	BUCKHANNON	WV
8.145/3.145	OCB	AUGUSTA	GA
8.20 /3.20	CLA	SWEAT MT	GA
	TAG	HICKORY VALLEY	TN
8.30 /3.30	KQI	WOODLEAF	NC
	KJH	GATLBG/COVE MT	TN
8.40 /3.40	GMT	CUMBERLAND CITY	TN
	DOR	MEMPHIS	TN
8.50 /3.50	LVH	CONYERS	GA
	PQZ	GREENSBORO	NC
	WKS	PARIS/GROVE HL	TN
	GUS	TYSONS CORNER	VA
8.55 /3.55	LVH	ATLANTA/NE	GA
	XE	ROARING GAP	NC
8.60 /3.60	DWU	MT MITCHELL	NC
8.65 /3.65	UMI	HAMPTON	VA
8.70 /3.70	LXW	HIGH POINT	NC
	LBT	LOCUST	NC
8.75 /3.75	EDS	ALAMO	TN
	WIC	FINCASTLE	VA
8.30 /3.80	EAQ	MANASSAS	VA
8.80 /3.80	OKS	JASPER/BIG BUCK	GA
	HNK	SUMMERVILLE	SC
	NDH	CHESAPEAKE	VA
	NDH	NORTHWEST/SE VA	VA
8.85 /3.85	IDB	FRANKLIN	TN
8.875/3.875	LZQ	CAESARS HEAD	SC
8.90 /3.90	GWA	GRIFFIN	GA
	EVG	CHESAPEAKE	VA
8.925/3.925	IU	RINGGOLD	GA
8.95 /3.95	NTG	WILLIAMSBURG	VA
9.00 /4.00	QDX	LAWRENCEVILLE	GA
	JEQ	HICKORY	NC
	IT	MULLENS/HRNDN MT	WV
9.025/4.025	MSE	STONE MT	GA
9.05 /4.05	PQD	MARIETTA	GA
	OG	NASHVILLE	TN
	BLD	AFTON MT	VA
9.10 /4.10	WTX	DURHAM	NC
	YI	COLUMBIA	SC
	NFO	CHATTANOOGA	TN
	JXT	MEMPHIS	TN
9.15 /4.15	LDR	ATLANTA/BELL	GA
	PQD	LEXNGTN/COLE MT	VA
	VA	SPRINGFIELD	VA
9.20 /4.20	QHN	COLUMBUS	GA
	LBM	DECATUR	GA
	NEX	MORRISTOWN	TN
	EZA	WAYNESBORO	VA
9.25 /4.25	BOC	ATLANTA/STONE MT	GA
	KNI	HENDSVL/BERWLW M	NC
	RM	SMYRNA	TN
	TFZ	CHARLOTTESVILLE	VA
9.30 /4.30	HXD	KNOXVILLE	TN
	DRL	MEM/FISHERVILLE	TN
	BLD	WAYNESBORO	VA
9.325/4.325	MPW	MARIETTA	GA
	MPW	SANDY SPRNGS/ATL	GA
8.35 /4.35	GGN	N. WILKESBORO	NC
9.35 /4.35	JF	TIFTON	GA
	DBB	BEDFD/APL ORCH	VA
9.375/4.375	BFD	MT OGELTHORPE	GA
9.40 /4.40	ZW	FAYETTEVILLE	NC
	EAJ	OAK RIDGE	TN
	FQJ	LOGAN/BLAIR MT	WV
9.425/4.425	ISI	ALTAVISTA	VA
9.45 /4.45	KWP	GALLATIN	TN
	CRK	FALLS CHURCH	VA
9.50 /4.50	MM	ALBANY	GA
	UWL	ATLANTA	GA
	LSP	BRISTOL/HLST MT	TN
	KSL	KNOXVILLE	TN
	IZF	MEMPHIS	TN
	HEX	LYNCHBURG	VA
	QYU	HUNTINGTON	WV
9.55 /4.55	NEF	TYRONE	GA
9.60 /4.60	BFB	CHARLOTTE	NC
	NK	KNOXVILLE	TN
	HFH	ALEXANDRIA	VA
	OZT	ST ALBANS	WV
9.625/4.625	WQ	ATLANTA	GA
	MZ	BLUEFIELD	VA
9.65 /4.65	IBW	SMYRNA	GA
	HF	SALISBURY	NC
	KNU	WILLIAMSTON	NC
	NKM	GREENEVILLE	TN
	ARO	RICHMOND	VA
9.675/4.675	AY	NASHVILLE	TN
9.70 /4.70	HHH	ELLIJAY	GA
	APS	VALDOSTA	GA
	JEH	ROCKY MOUNT	NC
	DRU	MT PLEASANT	SC
	MMI	MEMPHIS	TN
	LG	MORGANTOWN	WV
9.735/4.735	TIW	DALTON	GA
9.75 /4.75	RFA	ROCK HILL	SC
	BFS	ELIZ/HOLSTON MT	TN
	JYF	TYSONS CORNER	VA
9.775/4.775	NEQ	MARIETTA	GA
	QES	NASHVILLE	TN
9.80 /4.80	J	GREENVILLE	NC
	UY	MT AIRY/FSH PK	NC
	FRV	LK KNOB/KINSTON	WV
	CUL	MORGANTOWN	WV
9.825/4.825	XD	STAUNTON	VA
9.85 /4.85	NFP	MARIETTA	GA
	CQ	CHARLOTTE	NC
	GMP	WILMINGTON	NC
	ARO	PETERSBURG	VA
9.875/4.875	LRD	CHATTANOOGA	TN
	THG	NASHVILLE	TN
	FMD	CLARKSBURG	WV
9.90 /4.90	COS	ASHVL/MT PISGAH	NC
	ZW	FAYETTEVILLE	NC
	VBC	NEW BERN	NC
	J	WILSON	NC
	MMI	MEMPHIS	TN
9.925/4.925	NNO	ATLANTA	GA
	BUH	ANDERSON/SAS MT	SC
	BON	ROANOKE/POOR MT	VA
9.95 /4.95	I	AUGUSTA	GA
	KIN	PERRY	GA
	SIR	BENTON/BEAN MT	TN
	KQQ	MEMPHIS	TN
	WRN	STAUNTON	VA
	KXV	VIRGINIA BEACH	VA
	CQV	S. CHARLESTON	WV
9.975/4.975	YNZ	ATLANTA	GA
	TVE	BRUNSWICK	GA
	GIC	SAURATOWN MT	NC
	QES	NASHVILLE	TN
4.00 /5.00	VBA	CHEAHA MT(AL)	GA
6.65 /6.65	DBB	ROANOKE	VA
3.50 /8.50	LBH	CONYERS	GA
4.225/9.225	JCE	MANASSAS	VA
4.825/9.825	DOC	ATLANTA	GA
4.90 /9.90	OLL	MACON	GA
	FQR	WOODBRIDGE	VA
4.925/9.925	TSC	WINCH/BLUEMONT	VA

920 MHZ

7.10 /9.10	TAG	HICKORY VALLEY	TN
9.10 /1.10	DRL	MEM/FISHERVILLE	TN

1270 MHZ

1.40 /1.40	DOC	ATL/CHESTNUT MT	GA
1.10 /1.10	DRL	MEM/FISHERVILLE	TN
1.20 /1.20	TAG	HICKORY VALLEY	TN

10 METERS

9.60 /9.60	TFZ	CHARLOTTESVILLE	VA
	CTF	NEWPORT NEWS	VA
9.52 /9.62	LVH	CONYERS	GA
	XE	WILKESBORO	NC
	IOB	KNXVL/ENG MT	TN
	ZJM	MEMPHIS/FRAYSER	TN
9.54 /9.64	BZU	DONELSON	TN
	TAG	HICKORY VALLEY	TN
	BON	ROANOKE/POOR MT	VA
9.56 /9.66	IS	SANDY SPR/ATL	GA
	ACP	EDEN	NC
9.58 /9.68	MM	ALBANY	GA
	BZJ	DALTON	GA
	XX	JASPER	TN
	DRL	MEM/FISHERVILLE	TN
	MZ	ONEIDA PK/BLFLD	VA

6 METERS

2.58 /2.48	DCS	FAIRFAX	VA
2.525/2.525	YAO	HENDERSONVILLE	NC
	AZA	HIGH POINT	NC
	TFZ	CHARLOTTESVILLE	VA
2.64 /2.84	KHP	FAIRFAX STA	VA
2.01 /3.01	YAO	HENDERSONVILLE	NC
	LRD	CHATTANOOGA	TN
	KOG	MEMPHIS	TN
	POD	LEXNGTN/COLE MT	VA
	LSP	NORTON/HIGH KB	VA
2.03 /3.03	DTS	ROANOKE RAPIDS	NC
2.05 /3.05	UPC	ATLANTA/SWEAT MT	GA
	HSN	COPE	SC
2.07 /3.07	ODA	LINEVILLE(AL)	GA
	NNN	LOUISA	VA
2.09 /3.09	MPW	SANDY SPR/ATL	GA
	BON	ROANOKE/POOR MT	VA
2.13 /3.13	CCF	ALEXANDRIA	VA
	GJG	DANVILLE(DCC)	VA
2.15 /3.15	GQH	COLUMBIA	SC
	IOB	KNXVL/ENG MT	TN
	DBB	BEDFORD/THAX MT	VA
2.17 /3.17	RET	ST MARYS/BENS R	WV
2.19 /3.19	UCE	COOKEVILLE	TN

Concludes At Bottom Of Next Page

CVRA-SERA REPEATER INDEX LISTINGS BY CITY-BY-STATE

NORTH CAROLINA REPEATERS

2 METERS

AHOSKIE	WB4YNF	144.53	145.13	N	A
AHOSKIE	WA4ZGQ	146.31	146.91	N	PA
ALBEMARLE	K4OGB	146.385	146.985	N	
AQUADALE	WA4CHZ	144.53	145.13	N	C
ASHEBORO	KJ4AV	147.855	147.255	☆	PAL
ASHEVILLE	WA4QCO	146.235	146.835	☆	A
ASHVL/MT PISGAH	WA4BVW	146.16	146.76	☆	
ASHVL/SPIVEY MT	W4MOE	146.31	146.91	☆	A
BENSON	AK4H	147.87	147.27	N	PA
BOONE/RICH MTN	KU4V	147.96	147.36	☆	
BREVARD/RICH MTN	WB4CJS	147.735	147.135	☆	A
BURGAW	W4DLH	146.34	146.94	N	EA
BURLINGTON	K4ITL	144.71	145.31	N	PL
BURLINGTON	WB4ZIN	146.07	146.67	N	A
BURLINGTON	W4VGZ	146.475	147.075	N	EA
BURLINGTON	WA4HBQ	147.675	147.075	N	EA
BURNSVILLE	N4YN	147.975	147.375	N	A
CARTHAGE	W4NIW	147.84	147.24	☆	
CHARLOTTE	W4BFB	144.63	145.23	N	
CHARLOTTE	W4BFB	144.69	145.29	N	A
CHARLOTTE	WA4AOS	144.75	145.35	N	L
CHARLOTTE	W4BFB	146.34	146.94	N	A
CHARLOTTE	W4CQ	146.46	147.06	N	A
CHARLOTTE	WD4PLY	147.99	147.39	N	PA
CHARLOTTE/RTTY	W4BFB	146.175	146.775	N	R
CHERRY MT	W4TMT	146.07	146.67	N	
CLINTON	WA4LZD	146.19	146.79	N	
CONCORD/KANNAP.	K4CEB	146.055	146.655	☆	PA
CROWDERS MT	WD4PLY	144.85	145.45	N	
DUNN	N4CID	146.10	146.70	☆	PA
DURHAM	WA4WTX	144.85	145.45	☆	AL
DURHAM	WA4BFT	146.34	146.94	N	A
DURHAM	WD4LDB	147.96	147.36	N	C
EDEN/MAYODAN	WA4ACP	147.84	147.24	N	O
EDEN/STONEVILLE	WA4QBG	147.99	147.39	☆	
ELIZABETH CITY	WA4VTX	146.055	146.655	N	A
ELIZABETHTOWN	N4DHW	146.175	146.775	N	
FAYETTEVILLE	N4EWG	146.205	146.805	☆	
FAYETTEVILLE	WA4FLR	146.445	147.045	☆	CR
FAYVLLE/CFARS	WB4YZF	146.31	146.91	☆	
FAYVLLE/FT BRAGG	W4LPL	147.93	147.33	☆	
FOREST CITY	WA4BKU	147.84	147.24	N	
FRANKLIN	W4ZCZ	144.89	145.49	☆	
FRANKLIN	W4GHZ	147.84	147.24	☆	
GAST/SPCR MT	W4REW	147.72	147.12	N	A
GASTONIA	K4NOQ	146.205	146.805	☆	PA
GIBSONVILLE	WD4FTB	147.72	147.12	☆	A
GOLD HILL/GBO	N4AZM	144.65	145.25	N	A
GOLDSBORO	K4CYP	146.25	146.85	☆	A
GREENSBORO	K4SNI	146.01	146.61	☆	A
GREENSBORO	WA4MSS	146.16	146.76	N	
GREENSBORO	W4GG	147.63	147.03	☆	PA
GREENSBORO	W4BUZ	147.81	147.21	N	
GREENVILLE	WA4DAN	144.75	145.35	☆	L
GREENVILLE	K4ROK	147.975	147.375	☆	
GREENVL/ESTN NC	W4GDF	147.69	147.09	☆	
GRIFTON	W4NBR	146.085	146.685	☆	
HALIFAX	AA4SJ	146.07	146.67	N	A
HENDERSONVILLE	WB4YAO	146.04	146.64	N	L
HENDSVL/BERWLW M	WA4KNI	144.67	145.27	☆	A
HENDSVL/PINCK MT	WA4KNI	147.855	147.255	☆	A
HICKORY/BRT. MT	WA4MDW	146.25	146.85	☆	
HIGH POINT	N4XO	144.81	145.41	N	AO
HIGH POINT	N4LDK	146.40	147.00	☆	LA
HIGH POINT	KB4BPV	147.435	146.835	☆	PA
HIGH POINT	KJ4RT	147.765	147.165	☆	PA
HILLSBOROUGH	WA4WTX	147.825	147.225	☆	AL
JACKSONVILLE	WD4FVO	146.40	147.00	☆	PA
JACKSONVILLE	WR4ATW	147.90	147.30	N	
JEFFERSON	W4YJG	147.90	147.30	☆	A
LARNBRG/SCOTLAND	K4QWK	146.025	146.625	☆	
LENOIR/HIBRITN	KN4K	147.93	147.33	☆	
LEWISVILLE	N4GGK	144.61	145.21	N	PA
LEXINGTON	K4IZM	146.31	146.91	☆	PA
LK NORMN/CLT	WB4KPF	147.615	147.015	N	
LUMBERTON	W4NHV	147.90	147.30	☆	EA
LUMBERTON	WV4Z	147.96	147.36	☆	
MACO	WA4LED	147.66	147.06	N	
MADISON	KA4YFF	146.295	146.895	N	
MAGGIE VALLEY	W4HCY	147.405	146.805	N	
MANTEO/WANCHESE	W4ACY	146.34	146.94	☆	
MARION	K4GHH	147.705	147.105	☆	
MAYODAN	WA4ACP	144.69	145.29	N	
MILLERS CREEK	N4GGN	146.115	146.715	☆	A
MONROE	KF4NJ	144.79	145.39	☆	A
MONROE/UCARS	K4JCK	147.705	147.105	N	A
MORENTN/HI PK	WB4UDS	144.55	145.15	N	
MORGANTON	K4VLY	147.75	147.15	☆	
MT AIRY	WA4ZAS	146.37	146.97	N	EA
MT AIRY-RTTY	WA4ZAS	146.34	146.94	N	R
MT AIRY/TRNR MT	KD4J	144.73	145.33	N	A
MT MITCHELL	WA4BVW	144.59	145.19	☆	
MURPHY	KC4WB	147.795	147.195	N	
N. WILKESBORO	N4AGN	144.77	145.37	☆	PA
NAGS HEAD/BODIE	N4JXG	146.235	146.835	☆	PA
NEW BERN	WD4JMS	146.01	146.61	☆	A
NEWPORT	K4GRW	144.85	145.45	N	AL
NEWTON/ANDSN MT	W4ZQB	144.57	145.17	N	
OLD FORT	KA4ROZ	146.385	146.985	N	
OXFORD	N4EKK	144.57	145.17	N	PA
RALEIGH	N4BEA	144.67	145.27	N	PAL
RALEIGH	N4CBI	144.89	145.49	N	
RALEIGH	W4DW	146.04	146.64	☆	
RALEIGH	K4BWC	146.13	146.73	☆	PA
RALEIGH	K4ITL	146.28	146.88	☆	L
RALEIGH	K4ITL	147.75	147.15	☆	PA
RANDLEMAN/GBO	WB4GBI	144.55	145.15	☆	
REIDSVILLE	K4YFT	146.25	146.85	N	
ROANOKE RAPIDS	WA4DTS	147.63	147.03	N	
ROARING GAP	WB4PZA	146.22	146.82	☆	
ROB/JOANNA BLD	WD4CNS	146.445	147.045	N	
ROCKINGHAM	WA4ULA	146.355	146.955	N	
ROCKY MOUNT	K4EWL	147.72	147.12	☆	PA
SALISBURY	W4EXU	146.13	146.73	☆	PA
SANFORD	WB4EJJ	147.78	147.18	N	A
SAURATOWN MT	W4RXG	144.51	145.11	☆	R
SAURATOWN MT	WA4GIC	144.87	145.47	☆	
SAURATOWN MT	N4LDK	146.19	146.79	☆	PA
SHALLOTTE	K4PPD	144.69	145.29	☆	
SHELBY	W4NYR	146.28	146.88	N	
SHELBY	W4NYR	147.945	147.345	N	PA
SMITHFIELD	KD4JQ	146.37	146.97	☆	
SMITHFIELD	W4MKL	147.99	147.39	N	
SPARTA/GREEN MT	K4ITL	144.83	145.43	☆	L
SPRING LAKE	WB4KDC	146.115	146.715	N	
STATESVILLE	AI4O	146.085	146.685	☆	
STATSVL/ASBRY MT	WA4JRL	147.645	147.045	N	
SWANSBORO	KO4S	146.16	146.76	☆	
TRENTON	K4ITL	144.61	145.21	☆	L
TUCKASEGEE	W8OMV	147.90	147.30	N	
UNION CROSS	WA4RBW	147.915	147.315	☆	
WADESBORO	WA4IAT	146.235	146.835	N	
WASHINGTON	WA4TEP	147.945	147.345	N	
WAXHAW	WB4OOA	146.295	146.895	N	PA
WAXHAW	WA4ZRS	147.465	146.865	☆	A
WAYNESVILLE	N4SM	147.87	147.27	☆	A
WHITEVILLE	K4MSD	147.81	147.21	☆	
WILLIAMSTON	KA4KNU	144.81	145.41	☆	PA
WILMINGTON	W4VNK	146.13	146.73	☆	PA
WILMINGTON	K4GMP	146.22	146.82	☆	L
WILMINGTON	N4CTJ	147.78	147.18	N	A
WILSON	WB4THL	146.16	146.76	☆	
WINSTON-SALEM	WA4GIC	146.04	146.64	☆	AL

220 MHZ

ASHEVILLE	NC4N	223.00	224.60	N	
ASHVL/MT PISGAH	WA4BVW	222.34	223.94	☆	
CHARLT/MINT HL	KE4ZC	222.80	224.40	N	
CHERRYVILLE	WB4UDS	223.36	224.96	N	
FAYETTEVILLE	W4EHF	222.42	224.02	☆	
GOLDSBORO	WB3JVX	223.36	224.96	☆	EA
GREENSBORO	WB4IKY	223.22	224.82	☆	A
GRIFTON	WA4DAN	223.24	224.84	☆	
HENDSVL/BERWLW M	WA4KNI	222.64	224.24	☆	
HICKORY	WA4MDW	222.42	224.02	☆	
HIGH POINT	K4AZA	222.32	223.92	☆	LA
HILLSBOROUGH	WA4WTX	222.34	223.94	☆	L
LENOIR/HIBRITN	KN4K	222.56	224.16	N	
LINWOOD	KA4HUV	222.38	223.98	N	
LK NORMN/CLT	WB4KPF	223.08	224.68	N	
LOCUST	WA4ZIA	222.40	224.00	☆	PAL
LUMBERTON	WB4WOR	222.54	224.14	N	

DISTRIBUTION OF REPEATERS BY FREQUENCY

2.23 /3.23	ZKL	GUTHRIE	EKY
	ZKL	GUTHRIE (TN/KY)	TN
2.25 /3.25	YON	KNOXVILLE	TN
	FJ	RIDGEWAY	VA
	DBB	ROANOKE	VA
2.27 /3.27	DRL	MEM/FISHERVILLE	TN

2.41 /3.41	YXY	PICKENS	SC
2.43 /3.43	B	RICHMOND	VA
2.45 /3.45	MPM	FLAT GAP	EKY
	KWP	GALLATIN	TN
2.47 /3.47	MDW	HICKORY	NC
2.55 /3.55	JEH	CONYERS	GA

2.03 /3.63	JKA	ST ALBANS/COAL	WV
2.06 /3.66	JYR	DANVILLE/MADSN	WV
2.67 /3.67	WRS	STATESVILLE	NC
	TAG	HICKORY VALLEY	TN
2.09 /3.69	SVR	HERNSHAW/BEE MT	WV
2.12 /3.72	CDE	RAND	WV

MORE NORTH CAROLINA REPEATERS

MARSHALL	KA4TYO	222.76	224.36	N	
MORGANTON	WB4PML	223.20	224.80	☆	
MT MITCHELL	WA4BVW	222.94	224.54	☆	
MT. TOXAWAY	K4MSK	223.12	224.72	N	
RALEIGH	WA4PEN	223.04	224.64	N	
ROCKY MOUNT	NF4C	222.36	223.96	☆	
SALISBURY	W4EXU	223.16	224.76	☆	
SAURATOWN MT	W4RXG	223.10	224.70	☆	R
SAURATOWN MT	W4RXG	223.28	224.88	☆	
STATESVILLE	WA4PVI	222.70	224.30	N	
WINSTON-SALEM	WA4YHH	223.04	224.64	☆	PA

440 MHZ

ASHVL/MT PISGAH	WA4COS	449.90	444.90	N	
CHARLOTTE	W4BFB	449.60	444.60	N	
CHARLOTTE	W4CQ	449.85	444.85	N	
DURHAM	WA4WTX	449.10	444.10	☆	AL
EDEN	WA4ACP	447.10	442.10	N	
FAYETTEVILLE	KB4ZW	449.40	444.40	N	
FAYETTEVILLE	KB4ZW	449.90	444.90	N	P
GOLDSBORO	WB3JVX	448.05	443.05	☆	EA
GREENSBORO	WD4PQZ	448.50	443.50	☆	
GREENVILLE	AI4J	449.80	444.80	N	
HENDSVL/BERWLW M	WA4KNI	449.25	444.25	☆	
HICKORY	K4JEQ	449.00	444.00	☆	
HIGH POINT	K4AZA	447.90	442.90	☆	L
HIGH POINT	N4LXW	448.70	443.70	N	
LEWISVILLE	N4GGK	439.25	426.25	N	V
LOCUST	WA4LBT	448.70	443.70	☆	L
MORGANTON	WB4PML	447.05	442.05	☆	
MT AIRY/FSH PK	KF4UY	449.80	444.80	☆	
MT MITCHELL	N4DWU	448.60	443.60	☆	
N. WILKESBORO	N4GGN	448.35	444.35	N	
NEW BERN	WA4VBC	449.90	444.90	☆	
RALEIGH	N4BEA	447.15	442.15	N	L
ROARING GAP	KC4XE	448.55	443.55	☆	L
ROCKY MOUNT	N4JEH	449.70	444.70	☆	PA
SALISBURY	KJ4HF	449.65	444.65	☆	ARB
SAURATOWN MT	K4AZA	439.25	421.25	☆	
SAURATOWN MT	N4GGC	448.10	443.10	☆	
SAURATOWN MT	WA4GIC	449.975	444.975	☆	C
SHELBY	W4NYR	439.25	427.25	N	VPA
WILLIAMSTON	KA4KNU	449.65	444.65	N	
WILMINGTON	K4GMP	449.85	444.85	☆	C
WILSON	NE4J	449.90	444.90	☆	
WOODLEAF	KB4KQI	448.30	443.30	☆	RB

10 METERS

EDEN	WA4ACP	29.56	29.66	N	
WILKESBORO	KC4XE	29.52	29.62	☆	L

6 METERS

HENDERSONVILLE	WB4YAO	52.01	53.01	N	
HENDERSONVILLE	WB4YAO	52.525	52.525	N	RB
HICKORY	WA4MDW	52.47	53.47	☆	
HIGH POINT	K4AZA	52.525	52.525	N	RB
ROANOKE RAPIDS	WA4DTS	52.03	53.03	N	
STATESVILLE	WA4WRS	52.67	53.67	N	

PACKET

CHARLOTTE	W4BFB-1		145.01	N	K
CHERRY MTN	WB4RDL-1		145.01	N	K
COLFAX	KE4TH-1		145.07	N	K
CONCORD	K4CEB-1		145.05	☆	K
GOLDSBORO	K4CYP-1		145.01	N	K
GREENVILLE	WD4JPQ-1		145.01	☆	K
RALEIGH	K4ITL-1		145.01	N	K
RALEIGH	K4BWC-1		145.01	☆	K
SAURATOWN MT	W4RXG-1		145.01	☆	K
SPIVEY MTN	KB4OKW-1		145.01	N	K

SERA REPEATER SYMBOLS

★	Full Member Supporter	T	Tone Access Repeater
D	Delinquent Membership	L	Linked Repeater
N	Non-Member SERA	K	Packet Operation
NB	Not On SERA Freq. Plan	R	Radioteletype Operation
M	T-MARC Terr. Repeater	V	Television (SSTV or ATV)
A	Autopatch (Open)	P	Proposed Repeater Coord.
PA	Private Autopatch	C	Under Construction
EA	Emergency Autopatch	O	Off the Air Temporarily
		RB	Remote Base System

NOTE: Some repeaters allow voice, as well as other functions on their machine. Generally the second function is indicated, but does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for information. Digipeters within the Packet frequency spectrum are listed under PACKET. Repeaters with normal input/output (pairs) are listed in the regular FM repeater index and their operation of Packet is indicated with "K".

VIRGINIA REPEATERS

2 METERS

ACCOMAC	WA4TVS	147.855	147.255	☆	PA
ALEXANDRIA	N4FSC	144.71	145.31	M	PA
ALEXANDRIA	WD4PDP	146.055	146.655	M	PA
ALEXANDRIA	W4HFH	147.915	147.315	M	L
ALTAVISTA	WA4ISI	146.055	146.655	☆	A
ARLINGTON	N4EFJ	144.87	145.47	M	
ARLINGTON	WA4YVM	146.445	147.045	M	T
BARREN SPRINGS	K4HZS	146.07	146.67	☆	
BEDFD/APL ORCH	WB4DBB	144.63	145.23	☆	
BEDFORD	WB4JBJ	147.705	147.105	☆	LRPA
BLACKSBURG	AB9I	146.115	146.715	N	
BLACKSTONE	W4AXH	146.31	146.91	☆	P
BLAND	N4AZJ	144.75	145.35	☆	PA
BLUEFIELD	W8MOP	144.89	145.49	N	A
BRISTOL	WD4CYZ	146.28	146.88	☆	
BRUMLEY MT	K4LSP	146.01	146.61	☆	EA
CHARLOTTESVILLE	WA4TFZ	146.16	146.76	☆	
CHARLOTTESVILLE	WA4TFZ	146.325	146.925	☆	
CHESAPEAKE	K4NDH	144.69	145.29	☆	EA
CHESAPEAKE	N4GSP	146.01	146.61	☆	
CHESAPEAKE	N4SD	146.19	146.79	☆	A
CHESTERFIELD	KA4CBB	147.96	147.36	☆	
CHESTERFLD CO	WA4ECM	147.66	147.06	☆	A
COVINGTON	WA4HTI	146.205	146.805	N	
CULPEPPER	N4FAF	147.72	147.12	M	
DANVILLE	K4YZR	147.95	147.35	N	NB
DANVILLE(DCC)	WB4GJG	146.325	146.925	☆	
DANVILLE/WHT OAK	K4WQS	146.10	146.70	N	
DUFFLD/POWLL MT	KA4BHH	146.10	146.70	☆	
FAIRFAX	W4LBL	146.19	146.79	M	PA
FALLS CHURCH	W4AQD	144.75	145.35	M	T
FARMVILLE	WA4QQI	144.73	145.33	☆	
FINCASTLE	W4WIC	146.04	146.64	☆	
FRANKLIN	K4SPS	147.90	147.30	N	PA
FREDRICKSBURG	WB4LNT	147.615	147.015	M	
GALAX	WA4ZIV	144.79	145.39	N	
GALAX/BRIRP MT	N4VL	147.69	147.09	☆	A
GALAX/LKOUT MT	N4VL	144.53	145.13	☆	EA
GLOUCESTER	KA2IMI	144.77	145.37	☆	
GRUNDY	K4HWQ	147.92	147.32	N	ANB
GRUNDY/BIG A MT	WD4DCX	147.855	147.255	N	
GUM SPRING	KB4GX	147.87	147.27	N	
HAMPTON	K4DHO	146.13	146.73	☆	PA
HAMPTON	K4UMI	146.34	146.94	N	T
HAZEL MT	WD4CYZ	146.235	146.835	☆	
HILLSVILLE	WD4BTJ	147.975	147.375	N	A
JONESVILLE	WA4OVC	146.31	146.91	☆	
KILMARNOCK	W2MS	144.61	145.21	N	A
LEXINGTON	KI4ZR	146.07	146.67	N	A
LEXINGTON	KI4ZR	147.90	147.30	☆	
LEXNGTN/COLE MT	K4PQD	147.93	147.33	N	
LYNCHBURG	W4WWQ	146.01	146.61	N	
LYNCHBURG	K4STE	146.16	146.76	N	A
LYNCHBURG	AB4M	147.43	144.93	N	NB
LYNCHBURG	WA4RTS	147.795	147.195	N	
LYNCHBURG	KB4ILD	147.975	147.375	N	PA
MADISON	N4AJO	147.99	147.39	M	
MANASSAS	WD4JCE	144.67	145.27	M	R
MANASSAS	WA4FPM	146.37	146.97	☆	PA
MARION	N4BIW	146.04	146.64	☆	L
MARTINSVILLE	AB4L	147.885	147.285	☆	
MCLEAN	WD4IWG	147.81	147.21	M	R
MT. LK/BALD KNB	K4TUE	146.31	146.91	N	O
NEW MARKET	K4AVW	146.025	146.625	☆	
NEWPORT NEWS	WA4OHX	144.89	145.49	N	PA
NEWPORT NEWS	WB4CTF	147.765	147.165	☆	PA
NORFOLK	NE4D	146.10	146.70	☆	EA
ONEIDA PEAK/BLF	KD8MZ	146.355	146.955	☆	PAL
PEARISBURG	N4AZJ	147.735	147.135	☆	
PETERSBURG	K4ARO	144.55	145.15	☆	
PETERSBURG	N4KAF	147.78	147.18	N	
PETERSBURG	K4ARO	147.99	147.39	☆	
PKS KB/PULASKI	KT4Z	147.78	147.18	N	PA
PORTSMOUTH	N4MG	146.25	146.85	☆	
RADFORD	KC4WA	147.645	147.045	☆	
RICHMOND	K4YPE	144.51	145.11	☆	A
RICHMOND	NB4B	144.59	145.19	☆	
RICHMOND	W4SQT	144.83	145.43	☆	PA
RICHMOND	WB4QEY	146.04	146.64	☆	PA
RICHMOND	WA4ECM	146.235	146.835	N	
RICHMOND	WA4ZBE	146.28	146.88	☆	EA
RICHMOND	W4ZA	146.34	146.94	☆	
RICHMOND	WA4JST	146.43	147.03	N	
RICHMOND	N4HB	147.735	147.135	☆	
ROANOKE	WB4QET	146.34	146.94	N	A
ROANOKE/POOR MT	WB4QOJ	146.145	146.745	N	LPA
ROANOKE/POOR MT	W4CA	146.385	146.985	☆	
SALEM	W4PDL	146.28	146.88	N	
SOUTH HILL	N4OKH	147.84	147.24	N	
STAUNTON	W4XD	146.10	146.70	☆	
STAUNTON	WA4ZBP	146.25	146.85	☆	
STAUNTON	W4WRN	146.37	146.97	N	EA

MORE VIRGINIA REPEATERS

STAUNTON/EL. KB	W4WRN	147.645	147.045	N	
STERLING	WA4TXE	146.115	146.715	M	
SUFFOLK	WA4HMT	146.40	147.00	N	PA
TAZEWELL	WA4QKH	147.75	147.15	N	
TYSONS CORNER	WB4FMD	146.31	146.91	M	PA
VIENNA	K4HTA	146.085	146.685	M	
VIRGINIA BEACH	WA4KXV	146.295	146.895	☆	
VIRGINIA BEACH	WA4KXV	146.37	146.97	☆	PA
VIRGINIA BEACH	WA4SBC	147.645	147.045	N	
VIRGINIA BEACH	W4NV	147.975	147.375	☆	
VOLENS	WD4LBM	146.46	147.06	☆	
WARRENTON	WB4FJT	147.765	147.165	M	
WARSAW	KA4ZIP	147.93	147.33	☆	
WAYNESBORO	W4BLD	147.63	147.03	☆	
WAYNSBR/BEAR DEN	W4PNT	147.675	147.075	☆	L
WILLIAMSBURG	W4NTG	146.07	146.67	☆	
WILLIAMSBURG	KB4ZIN	146.16	147.76	☆	PAC
WINCH/BLUEMONT	WA4TSC	147.90	147.30	M	
WINCHESTER	W4RKC	146.22	146.82	☆	
WISE/HIGH KNOB	K4AXO	147.81	147.21	N	
WOODBRIDGE	WB4FQR	147.84	147.24	M	A
WYTHEVILLE	WA4EMS	146.175	146.775	☆	
WYTHEVILLE	KC4VR	147.945	147.345	☆	AL
YORKTOWN	K4UMI	144.63	145.23	N	P
YORKTOWN	WD4SDC	147.825	147.225	N	

220 MHZ

ALEXANDRIA	WA4CCF	223.22	224.82	M	L
BEDFORD	N4PLV	223.24	224.84	N	
CHESAPEAKE	WA6GVC	223.34	224.94	N	
DAN/WHT OAK	K4OAK	223.16	224.76	N	
DANVILLE	K4AUG	222.78	224.38	☆	
FAIRFAX	WB4YHD	222.50	224.10	M	L
FALLS CHURCH	N4CHP	223.38	224.98	M	PA
FRIES/SAND MTN	WA4DFH	222.74	224.34	☆	
LYNCHBURG	AB4M	222.68	224.28	N	
NEWPORT NEWS	KB4UHA	223.26	224.86	N	
NORTON/HIGH KB	WD4GSM	222.82	224.42	N	C
PETERSBURG	K4ARO	222.40	224.00	☆	
ROANOKE	WB4DBB	222.50	224.10	☆	L
ROANOKE/POOR MTN	WB4DBB	223.34	224.94	☆	
VIRGINIA BEACH	WD8DAS	222.58	224.18	N	

440 MHZ

AFTON MT	W4BLD	449.05	444.05	☆	
ALEXANDRIA	W4HFH	449.60	444.60	M	
ALTAVISTA	WA4ISI	449.425	444.425	☆	L
BEDFD/APL ORCH	WB4DBB	449.35	444.35	☆	L
BLUEFIELD	KD8MZ	449.625	444.625	☆	LPA
CHARLOTTESVILLE	WA4TFZ	449.25	444.25	☆	
CHESAPEAKE	K4NDH	448.80	443.80	☆	PA
CHESAPEAKE	N4EVG	448.90	443.90	☆	A
COVINGTON	WA4HTI	447.25	442.25	N	
FALLS CHURCH	WB8CRK	449.45	444.45	M	L
FINCASTLE	W4WIC	448.75	443.75	☆	
GALAX/PT LOOKOUT	N4VL	448.00	443.00	☆	L
HAMPTON	K4UMI	448.65	443.65	N	
LEXNGTN/COLE MT	K4PQD	449.15	444.15	N	
LYNCHBURG	K4HEX	449.50	444.50	N	
MANASSAS	WD4JCE	444.225	449.225	M	L
MANASSAS	WB3EAQ	448.30	443.80	M	
MARION	N4BIW	447.00	442.00	☆	PL
NORFOLK	W4WIN	439.25	426.25	N	V
NORTHWEST/SE VA	K4NDH	448.80	443.80	N	
PETERSBURG	K4ARO	449.85	444.85	☆	
RICHMOND	K4ARO	449.65	444.65	☆	
ROANOKE	WB4DBB	446.65	446.65	☆	RBL
ROANOKE	N4HON	447.70	442.70	N	
ROANOKE/POOR MT	W4CA	447.50	442.50	☆	
ROANOKE/POOR MT	WB8BON	449.925	444.925	N	CL
SPRINGFIELD	AA4VA	449.15	444.15	M	
STAUNTON	W4XD	449.825	444.825	☆	
STAUNTON	W4WRN	449.95	444.95	N	
TYSONS CORNER	WB6GUS	448.50	443.50	M	
TYSONS CORNER	K4JYF	449.75	444.75	M	
VIRGINIA BEACH	WA4KXV	449.95	444.95	☆	
WAYNESBORO	WA4EZA	449.20	444.20	N	
WAYNESBORO	W4BLD	449.30	444.30	☆	TPA
WILLIAMSBURG	W4NTG	448.95	443.95	M	
WINCH/BLUEMONT	WA4TSC	444.925	449.925	N	NB
WINCHESTER	W3CSG	447.00	442.00	M	
WOODBRIDGE	WB4FQR	444.90	449.90	M	

6 METERS

ALEXANDRIA	WA4CCF	52.13	53.13	M	L
BEDFORD/THAX MT	WB4DBB	52.15	53.15	☆	
CHARLOTTESVILLE	WA4TFZ	52.525	52.525	N	RB
DANVILLE(DCC)	WB4GJG	52.13	53.13	☆	
FAIRFAX	KA4DCS	52.58	52.48	M	NB
FAIRFAX STA	WD4KHP	52.64	52.84	N	NB
LEXNGTN/COLE MT	K4PQD	52.01	53.01	N	L
LOUISA	KA4NNN	52.07	53.07	N	
NORTON/HIGH KB	K4LSP	52.01	53.01	N	
RICHMOND	NB4B	52.43	53.43	☆	
RIDGEWAY	KE4FJ	52.25	53.25	N	
ROANOKE	WB4DBB	52.25	53.25	☆	L
ROANOKE/POOR MT	WB8BON	52.09	53.09	N	CL

10 METERS

CHARLOTTESVILLE	WA4TFZ	29.60	29.60	☆	RB
NEWPORT NEWS	WB4CTF	29.60	29.60	☆	RB
ONEIDA PK/BLFLD	KD8MZ	29.58	29.68	☆	C
ROANOKE/POOR MT	WB8BON	29.54	29.64	N	CL

PACKET

ACCOMAC	KJ4AG-1		145.01	☆	K
ACCOMAC	KJ4AG-2		145.03	☆	K
BEAR DEN MT	W4BLD-1		145.01	☆	K
BLUEFIELD	KD8MZ		145.01	☆	K
CHARLOTTESVILLE	WA4TFZ-2		145.01	N	K
CHESAPEAKE	N4SD-1		145.01	N	K
COVINGTON	WA4PGI-1		145.01	N	K
FANCY GAP	WA4LWE-1		145.01	N	K
FORK MTN	WA4FRV-3		145.01	N	
FREDERICKSBURG	KB4OB-1		145.01	M	K
GARRISONVILLE	AA4PB-1		145.01	N	K
HAMPTON	K4UMI-5		145.01	N	K
LYNCHBURG	K4LKQ-1		145.01	N	K
MIDDLEBURG	WA4TSC-1		145.01	N	K
ONEIDA PEAK/BLF	WB4BBF-1		145.01	☆	K
PETERSBURG	K4ARO-1		145.01	☆	K
RICHMOND	K4ARO-2		145.05	☆	K
ROANOKE	N4FHL-1		145.01	N	K
STEPHENS CITY	W3CSG		145.01	N	K
VIRGINIA BEACH	WA4KXV-1		145.01	☆	K
WASHINGTON, D.C.	WB4JFI-5		145.01	N	K
WOODBRIDGE	WB4FQR-4		145.01	N	K
WOODBRIDGE	KA4USE-1		145.07	N	K
WYTHEVILLE	KC4VR-1		145.01	☆	K
WYTHEVILLE	KC4VR-2		145.09	N	K

SOUTH CAROLINA REPEATERS

2 METERS

AIKEN	N4ADM	147.885	147.285	N	
ANDERSON	N4SZ	146.37	146.97	☆	PA
ANDERSON/SAS MT	W4FVV	146.19	146.79	☆	
BAMBERG	WA4DFP	144.73	145.33	N	
BARNWELL	WA4FOF	147.63	147.03	☆	
BIG KNOB/GREY CT	KB4YF	146.265	146.865	☆	
BRKSVLLE/MYTL BE	W4DCD	147.885	147.285	☆	A
CHARLESTON	WB4URP	144.65	145.25	N	
CHARLESTON	K4ILT	146.16	146.76	N	PA
CHARLESTON	W4IVE	146.19	146.79	N	
CHARLESTON	WB4LET	147.87	147.27	☆	PA
CHARLESTON	K4LWS	147.90	147.30	N	A
CHELSEA	KB4GY	146.01	146.61	N	
CHERAW	KA4ABW	147.735	147.135	N	PA
COLUMBIA	WB4QJF	144.57	145.17	N	
COLUMBIA	N4HWU	144.83	145.43	☆	PA
COLUMBIA	WB4NEP	146.115	146.715	N	PA
COLUMBIA	K4AVU	146.28	146.88	N	
COLUMBIA	WA4KIO	147.93	147.33	N	
DILLON/PEE DEE	NN4N	146.145	146.745	☆	EA
FLORENCE	W4ULH	146.25	146.85	N	A
FLORENCE	WA4ISM	146.37	146.97	☆	PA
FT JACKSON	WB4OCB	146.16	146.76	N	
FT MILL/CAROWND	AA4SC	147.78	147.18	☆	
GASTON	WB4NEP	144.61	145.21	N	PA
GEORGETOWN	WD4DMI	147.975	147.375	N	
GOOSE CREEK	W4NAT	147.78	147.18	N	
GREENVILLE	W4IQQ	146.34	146.94	N	
GREENVILLE	K4LEO	147.975	147.375	☆	T
GREENWOOD	KB4YF	147.765	147.165	☆	A
GREENWOOD/HODGES	KB4CS	144.53	145.13	N	
GRNVLE/CSRS HD	W4NYK	146.01	146.61	☆	
GRNVLE/PARIS MT	W4NYK	146.22	146.82	☆	PA
HILTON HEAD	N1BAL	147.84	147.24	N	
INMAN	WD8OXE	144.87	145.47	N	
LAKE MARION	W4DTW	147.825	147.225	☆	A
LANCASTER	W4PAX	146.10	146.70	☆	

This SERA Official
Repeater Index Is Correct
As of October 23, 1987

MORE SOUTH CAROLINA REPEATERS

LANCASTER	WB4BGF	147.84	147.24	N	
LEXINGTON/LIT MT	KA4FEC	147.99	147.39	☆	
LITTLE MT.	K4AVU	147.81	147.21	N	
MARION	W4YLT	146.40	147.00	N	EA
MONCKS CORNER	KA4BJM	147.75	147.15	N	
MT PLEASANT	K4ESG	146.385	146.985	N	PA
MT PLEASANT	K4LWS	147.90	147.30	N	PA
MYRTLE BEACH	WD4JMT	146.01	146.61	☆	PA
MYRTLE BEACH	WA4YGE	147.72	147.12	N	
MYRTLE BEACH, N	WA4JYR	147.63	147.03	N	PA
N. AUGUSTA	K4FKJ	146.13	146.73	☆	
NEWBERRY	KB4CO	146.085	146.685	N	
PICKENS	WB4YXZ	146.40	147.00	☆	
RKY RDG/WALLACE	KA4ABW	144.89	145.49	☆	A
ROCK HILL	KA4RFA	144.71	145.31	N	LPA
ROCK HILL	N4CWZ	146.325	146.925	N	PA
ROCK HILL	K4YTZ	146.43	147.03	☆	PA
ROCKY SPUR	KS4I	147.885	147.285	N	
SENECA/LONG MT	WA4JRJ	147.87	147.27	N	
SIMPSONVILLE	WD4BJY	146.13	146.73	☆	
SIMPSONVILLE	WA4SDT	147.75	147.15	N	R
SPARTANBURG	WD8OXE	147.69	147.09	N	PA
SUMTER	WS4P	146.04	146.64	☆	
SUMTER	WA4UMU	147.615	147.015	☆	EA
SUMTER	W4VFR	147.66	147.06	☆	A
WHITE HALL	W4BWZ	146.31	146.91	N	

220 MHZ

COLUMBIA	N4EOY	223.30	224.90	☆	RB
GREER	W4ILY	222.38	223.98	N	PA
LITTLE MT	KA4FEC	222.52	224.12	☆	
PICKENS/CSRS HD	WB4QHF	222.54	224.14	☆	PA
PICKENS/SASFR MT	AJ4N	222.46	224.06	☆	

440 MHZ

ANDERSON/SAS MT	WD4BUH	449.925	444.925	N	
CAESARS HEAD	WB4LZQ	448.875	443.875	N	
COLUMBIA	KC4YI	449.10	444.10	☆	
LEXINGTON	N4GUP	439.25	421.25	☆	V
MT PLEASANT	N4DRU	449.70	444.70	N	
PICKENS/CSRS HD	WA6WAY	447.00	442.00	☆	
ROCK HILL	KA4RFA	449.75	444.75	N	LPA
SUMMERVILLE	WA4HNK	448.80	443.80	☆	
SUMTER	WA4UMU	439.25	423.25	☆	V

6 METERS

COLUMBIA	N4GQH	52.15	53.15	N	
COPE	N4HSN	52.05	53.05	N	
PICKENS	WB4YXY	52.41	53.41	☆	

PACKET

ANDERSON	W4FX-1		145.01	☆	K
CHARLESTON	N4LYF-1		145.01	N	K
COLUMBIA	N4EOY-1		145.01	☆	K
COLUMBIA	N4HWU-1		145.03	☆	K
CONWAY	WA4TKM-1		145.01	N	K
FLORENCE	W4ULH-1		145.01	N	K
LANCASTER	K4WJR-1		145.01	N	K
SUMTER	WS4P-1		145.01	☆	K

TENNESSEE REPEATERS

2 METERS

ALAMO	WB4EDS	147.735	147.135	N	
ATHENS	WB4GRC	144.71	145.31	N	
BENTON	K4SIR	144.85	145.45	N	
BLOUNTVILLE	WA4KMG	147.60	147.00	☆	
BRISTOL	K4ILW	146.07	146.67	☆	A
BRISTOL	WD4CYZ	146.28	146.88	☆	
BRISTOL/HLSTN MT	K4LSP	146.16	146.76	☆	A
BROWNSVILLE	WA4ABU	146.055	146.655	☆	
CHATT/SIGNAL MT	KW4Z	146.055	146.655	☆	
CHATT/SIGNAL MT	WA4ZOK	147.60	147.00	N	PA
CHATTANOOGA	K4VCM	144.69	145.29	☆	
CHATTANOOGA	KB4TZ	144.79	145.39	☆	A
CHATTANOOGA	K4CMY	146.01	146.61	☆	
CHATTANOOGA	W4DSK	146.19	146.79	☆	A
CHATTANOOGA-RTTY	K4CMY	144.53	145.13	N	
CLARKSVILLE	WA4TEQ	147.60	147.00	N	
CLARKSVILLE	N2BVO	147.675	147.075	N	
CLARKSVILLE	AA4TA	147.99	147.39	☆	C
COOKEVILLE	WA4UCE	144.83	145.43	N	A
COOKEVILLE	N4WS	147.81	147.21	N	PA
COVINGTON	WA4VXW	147.93	147.33	N	
CROSSVILLE	KE4RX	146.04	146.64	☆	
CROSSVILLE	W4CV	147.93	147.33	N	
CUMBERLAND CTY	N4GMT	144.73	145.33	N	
DAYTON/RHEA CTY	K4ZLA	147.99	147.39	N	
DECATUR-PONE KB	W4RJC	144.55	145.15	☆	
DONELSON	WA4BZU	147.885	147.255	N	TPA
DYERSBURG	AA4HF	146.145	146.745	N	
FAYETTEVILLE	KO4G	146.265	146.865	N	
FAYETTEVILLE	W4NIQ	147.63	147.03	N	
FRANKLIN	WB4HCK	144.55	145.15	N	RB
GALLATIN	W4NIT	147.84	147.24	N	PA
GALLATIN	WA4YQC	147.87	147.27	N	PA
GRAY	WD4SBX	147.99	147.39	☆	
GREENEVILLE	K4EPC	144.79	145.39	☆	
GREENEVILLE	WB4TUO	144.81	145.41	☆	
GRNVLE/GRYSTN	WA4LYF	147.66	147.06	☆	A
GTLBG/COVE MTN	WA4KJH	146.25	146.85	N	LEA
GUTHRIE (TN/KY)	KA4NNA	146.205	146.805	N	
HARRIMAN	WA4RHV	147.615	147.015	N	C
HENDERSONVILLE	WB4WZK	144.67	145.27	☆	
HENDERSONVILLE	N4WF	147.945	147.345	N	
HERMITAGE	WB4DOR	144.79	145.39	☆	
HICKORY VALLEY	KA5TAG	144.73	145.33	☆	
HOLSTON MT/E TN	WB4SQC	144.69	145.29	☆	PA
HUMBOLDT	NQ4Y	144.75	145.35	N	
JACKSON	KF4SC	144.71	145.31	N	
JACKSON	W4WKZ	147.81	147.21	N	
JAMESTOWN	KE4JE	144.55	145.15	N	
JASPER	KD4XX	144.59	145.19	N	
JASPER	N4HQT	147.915	147.315	N	
JOHNSON CITY	W4ABR	146.19	146.79	N	
JOHNSON CITY	KE4FH	147.87	147.27	N	A
KNGSPT/BAYS MT	W4TRC	146.37	146.97	☆	PA
KNOXVILLE	WB4JSD	144.51	145.11	N	R
KNOXVILLE	K4KFD	144.61	145.21	N	A
KNOXVILLE	W4BBB	144.61	145.21	☆	
KNOXVILLE	N4GRC	144.77	145.37	☆	EA
KNOXVILLE	N4CKB	144.87	145.47	☆	
KNOXVILLE	N4CKB	146.34	146.94	☆	
KNOXVILLE	N4KAC	147.675	147.075	☆	A
KNOXVILLE	W4BBB	147.90	147.30	☆	
KNOXVL/SHARPS RG	WA4TEM	144.73	145.33	☆	A
KNXVL/CROSS MT	KA4OAK	147.96	147.36	N	
KNXVL/ENG MT	WB4IOB	146.13	146.73	☆	
LAFOLLETTE	KA4OAK	144.53	145.13	N	A
LAFOLLETTE/WMT	K4BGW	146.07	146.67	N	
LAKE CITY	WB4OAH	146.22	146.82	N	
LAVERNE	KJ4RA	144.63	145.23	☆	
LEBANON	WB4DOR	144.59	145.19	☆	
LEBANON	KE4VZ	146.13	146.73	N	PA
LENOIR CITY	KB4PIO	146.085	146.685	N	C
LEXINGTON	WB4LGH	146.43	147.03	N	
LOUDEN	KE4V	144.57	145.17	☆	
MANCHESTER	W4UOT	146.10	146.70	☆	A
MARTIN	WA4ZQX	146.025	146.625	☆	
MCMINNVILLE	WD4MWQ	146.37	146.97	☆	A
MCMINVL/SHT MT	W4KKO	144.89	145.49	☆	
MEDINA ,	K4BEZ	146.37	146.97	☆	A
MEM/FISHERVILLE	N4DRL	144.65	145.25	☆	A
MEMPHIS	WA4KOG	144.89	145.49	N	
MEMPHIS	W4GYS	146.04	146.64	N	
MEMPHIS	W4UFT	146.10	146.70	N	
MEMPHIS	WB4DAZ	146.13	146.73`	N	
MEMPHIS	W4BS	146.22	146.82	N	
MEMPHIS	WA4KOG	146.25	146.85	N	A

Advertise Your Hamfest
With A Full Page Ad
In The Repeater Journal!

SERA REPEATER SYMBOLS

★	Full Member Supporter	T	Tone Access Repeater
D	Delinquent Membership	L	Linked Repeater
N	Non-Member SERA	K	Packet Operation
NB	Not On SERA Freq. Plan	R	Radioteletype Operation
M	T-MARC Terr. Repeater	V	Television (SSTV or ATV)
A	Autopatch (Open)	P	Proposed Repeater Coord.
PA	Private Autopatch	C	Under Construction
EA	Emergency Autopatch	O	Off the Air Temporarily
		RB	Remote Base System

NOTE: Some repeaters allow voice, as well as other functions on their machine. Generally the second function is indicated, but does not necessarily mean the machine is solely operated in that mode. Operators may check with owners for information. Digipeters within the Packet frequency spectrum are listed under PACKET. Repeaters with normal input/output (pairs) are listed in the regular FM repeater index and their operation of Packet is indicated with "K".

MORE TENNESSEE REPEATERS

MEMPHIS	K4BN	146.34	146.94	N	A
MEMPHIS	K4FZJ	146.40	147.00	N	
MEMPHIS	WA4MQQ	146.46	147.06	N	
MEMPHIS	W4ZJM	147.63	147.03	N	L
MEMPHIS	WB4DAZ	147.72	147.12	N	AT
MEMPHIS	WA5KUB	147.75	147.15	N	
MEMPHIS	WA4ADT	147.90	147.30	N	
MEMPHIS	WB4MMI	147.96	147.36	N	
MILLINGTON/NB	W4ODR	146.43	147.03	N	L
MORRISTOWN	WD4PRQ	147.63	147.03	N	EA
MORRISTOWN	WB4OAH	147.825	147.225	N	
MOUNTAIN CITY	WD4OMO	144.87	145.47	N	
MT JULIET	WA4CBF	144.77	145.37	☆	
NASHVILLE	WD4FFM	144.69	145.29	N	
NASHVILLE	WD4JYD	144.75	145.35	N	
NASHVILLE	N4ARK	144.87	145.47	N	
NASHVILLE	WA4PCD	146.01	146.61	N	PA
NASHVILLE	WB4NTM	146.04	146.64	N	EA
NASHVILLE	W4PQP	146.16	146.76	☆	
NASHVILLE	W4SQE	146.19	146.79	☆	
NASHVILLE	WA4PCD	146.25	146.85	N	PA
NASHVILLE	WA4PCD	146.28	146.88	N	
NASHVILLE	WA4PCD	146.34	146.94	N	
NASHVILLE	AF4K	147.615	147.015	N	
NASHVILLE	WA4PCD	147.75	147.15	N	
NASHVILLE	WA4PCD	147.78	147.18	N	
NASHVILLE	WB4ZSA	147.90	147.30	☆	
NASHVILLE	N4AJS	147.93	147.33	N	
NASHVILLE S.	WB4NTM	147.96	147.36	N	R
NASHVILLE S.W.	WB4NTM	146.07	146.67	N	EA
OAK RIDGE	W4SKH	146.28	146.88	N	
OAK RIDGE	W4SKH	146.37	146.97	N	A
OAK RIDGE	K4EAJ	147.72	147.12	N	L
OAK RIDGE	K4EAJ	147.75	147.15	N	R
PARIS	K4KLX	147.96	147.36	N	A
PETROS	KJ4SI	147.855	147.255	N	C
PIKEVILLE	K4MJM	147.885	147.285	☆	
POLK CTY/OSWALD	WD4DES	147.78	147.18	☆	
PULASKI/MUS MT	W4JVO	146.175	146.775	☆	EA
PURYEAR	WA4CEX	147.765	147.165	☆	
SAVANNAH	WB4DQU	146.31	146.91	N	
SEV/SHIELDS MT	N4CJX	144.67	145.27	N	
SHELBYVILLE	W4QEB	147.66	147.06	☆	A
SHORT MTN	W4YXA	146.31	146.91	☆	
SMYRNA	WB4LHO	144.57	145.17	☆	PA
SPARTA/BON AIR	W4BSA	147.69	147.09	N	A
SPRING HILL	NW4E	144.85	145.45	N	A
STANTONVILLE	KF4VM	144.79	145.39	N	
UNION CITY	WA4YGM	146.10	146.70	☆	
UNION CITY	WA4YGM	147.615	147.015	☆	C
WAVERLY	NO4Q	146.085	146.685	☆	
WINCHESTER	WB4UEW	146.22	146.82	☆	

220 MHZ

CHATT/SIGNAL MT	WA4ZOK	223.30	224.90	N	
CHATTANOOGA	K4VCM	223.18	224.78	☆	A
CLARKSVILLE	KF4GP	222.34	223.94	N	
CLARKSVILLE	AA4TA	222.56	224.16	☆	C
FRANKLIN	WD4SGS	222.54	224.14	N	
GALLATIN	WB4ZSA	222.38	223.98	☆	
GREENEVILLE	WB4NKM	223.34	224.94	☆	A
HERMITAGE	WB4RAB	222.30	223.90	N	
HICKORY VALLEY	KA5TAG	222.58	224.18	☆	
JOHNSON CITY	WA4UCI	223.18	224.78	N	C
KNOXVILLE	WA4YON	222.86	224.46	☆	
KNOXVILLE	W4BBB	222.90	224.50	☆	
KNOXVILLE	WA4TEM	223.26	224.86	☆	C
MEM/FISHERVILLE	N4DRL	222.90	224.50	☆	
MT. JULIET	KE4NP	222.66	224.26	N	
NASHVILLE	N4TB	222.42	224.02	N	
NASHVILLE	WB4UEX	222.48	224.08	N	
NASHVILLE	N4MEY	222.52	224.12	N	C
NASHVILLE	N4AWB	222.62	224.22	N	
NASHVILLE	KI4OG	222.84	224.44	☆	
NASHVILLE	N4MEY	223.06	224.66	N	

440 MHZ

ALAMO	WB4EDS	448.75	443.75	N	L
BENTON/BEAN MT	K4SIR	449.95	444.95	N	
BRISTOL/HLST MT	K4LSP	449.50	444.50	☆	ARB
CHATTANOOGA	N4JSR	447.325	442.325	N	
CHATTANOOGA	WA4NFO	449.10	444.10	☆	
CHATTANOOGA	WB4LRD	449.875	444.875	N	
CUMBERLAND CITY	N4GMT	448.40	443.40	N	
ELIZ/HOLSTON MT	WB4BFS	449.75	444.75	N	
FAYETTEVILLE	KO4G	448.10	443.10	N	
FRANKLIN	KA4IDB	448.85	443.85	N	
GALLATIN	WD4KWP	449.45	444.45	☆	
GATLBG/COVE MT	WA4KJH	448.30	443.30	N	L
GREENEVILLE	WB4NKM	449.65	444.65	☆	
HICKORY VALLEY	KA5TAG	448.20	443.20	☆	
JACKSON	WA4BJY	447.20	442.20	N	
JACKSON	WB4EPG	447.80	442.80	N	A
JASPER	KD4XX	447.05	442.05	N	
JASPER	N4HQT	447.25	442.25	N	
KNOXVILLE	WA4NTZ	447.50	442.50	N	
KNOXVILLE	K4HXD	449.30	444.30	N	
KNOXVILLE	KB4KSL	449.50	444.50	☆	
KNOXVILLE	KB4NK	449.60	444.60	☆	
MEDINA	K4BEZ	447.05	442.05	N	AL
MEM/FISHERVILLE	N4DRL	449.30	444.30	☆	
MEMPHIS	WA4QWW	447.80	442.80	N	
MEMPHIS	WA4DOR	448.40	443.40	N	A
MEMPHIS	KA4JXT	449.10	444.10	N	
MEMPHIS	KA4IZF	449.50	444.50	N	A
MEMPHIS	WB4MMI	449.70	444.70	N	T
MEMPHIS	WB4MMI	449.90	444.90	N	L
MEMPHIS	WB4KQQ	449.95	444.95	N	C
MILAN	WD4ABJ	447.10	442.10	N	
MORRISTOWN	KA4NEX	449.20	444.20	N	
MT JULIET	WA4PUB	448.05	443.05	N	
NASHVILLE	KI4OG	449.05	444.05	☆	T
NASHVILLE	W4AY	449.675	444.675	N	
NASHVILLE	WB4QES	449.775	444.775	N	
NASHVILLE	WB4THG	449.875	444.875	N	
NASHVILLE	WB4QES	449.975	444.975	N	
OAK RIDGE	K4EAJ	449.40	444.40	N	L
PARIS/GROVE HL	WA4WKS	448.50	443.50	N	
SMYRNA	KJ4RM	449.25	444.25	N	

10 METERS

DONELSON	WA4BZU	29.54	29.64	N
HICKORY VALLEY	KA5TAG	29.54	29.64	☆
JASPER	KD4XX	29.58	29.68	N
KNXVL/ENG MT	WB4IOB	29.52	29.62	☆
MEM/FISHERVILLE	N4DRL	29.58	29.68	☆
MEMPHIS/FRAYSER	W4ZJM	29.52	29.62	N

6 METERS

CHATTANOOGA	WB4LRD	52.01	53.01	N	
COOKEVILLE	WA4UCE	52.19	53.19	N	
GALLATIN	WD4KWP	52.45	53.45	☆	
GUTHRIE (TN/KY)	KA4ZKL	52.23	53.23	N	
HICKORY VALLEY	KA5TAG	52.67	53.67	☆	
KNOXVILLE	WA4YON	52.25	53.25	☆	
KNXVL/ENG MT	WB4IOB	52.15	53.15	☆	A
MEM/FISHERVILLE	N4DRL	52.27	53.27	☆	C
MEMPHIS	WA4KOG	52.01	53.01	N	

920 MHZ

HICKORY VALLEY	KA4TAG	907.10	919.10	☆
MEM/FISHERVILLE	N4DRL	909.10	921.10	☆

1270 MHZ

HICKORY VALLEY	KA5TAG	271.20	291.20	☆
MEM/FISHERVILLE	N4DRL	271.10	291.10	☆

PACKET

BRISTOL	WX4S-1	145.01	N	K
CHATTANOOGA	W4DSK-1	145.01	N	K
CROSSVILLE	N4LLD-1	145.01	N	K
GALLTN/MUSIC MT	W4PTZ-1	145.01	☆	K
GREENEVILLE	K4VZZ-1	147.48	N	K
HORNBEAK	WA4VVX-6	145.01	N	K
JACKSON	WA4VVX-7	145.01	N	K
JACKSON	WB7BOX-1	145.01	N	K
KINGSPORT	N4NBX	145.04	N	K
KNOXVILLE	KC4OI	145.01	N	K
KNOXVL/CROSS MT	WA4YON-1	145.01	N	K
LOBOVILLE	WA4VVX-2	145.01	N	K
MEMPHIS	WA4KQQ-1	145.01	N	K
MEMPHIS	AI5R	145.01	N	K
NASHVILLE	WA4KDC-2	145.01	N	K
NASHVILLE	W4HHY	145.01	N	K
OLIVER SPRINGS	KB4NK-1	145.01	N	K
PIKEVILLE	K4MJM-1	145.01	☆	K
RIPLEY	WA4VVX-3	145.01	N	K
ROCKWOOD	AA4KS-1	147.48	N	K
SEWANEE	WD4CPF-1	145.01	N	K
SHORT MT	W4YXA-1	145.01	☆	K
WINCHESTER	WD4CPF	145.01	N	K
JACKSON	WB7BOX-2	221.11	N	K
MEMPHIS	WA4KQQ	446.50	N	K
NASHVILLE	WA4KDC	433.80	N	DL
RIPLEY	WA4VVX-5	443.80	N	DL
SEWANEE	WD4CPF-2	433.80	N	DL
SHORT MTN	W4YXA	433.80	N	DL
WAVERLY	WA4VVX-4	433.80	N	DL

GEORGIA REPEATERS

2 METERS

ADAIRSVILLE	WD4IWL	146.085	146.685	N	
ADEL	KF4JF	144.63	145.23	N	
ALBANY	W4MM	144.55	145.15	N	L
ALBANY	W4MM	146.10	146.70	N	
ALBANY	W4MM	146.13	146.73	N	
ALBANY	W4MM	146.22	146.82	N	
ALBANY	W4MM	147.72	147.12	N	K
ALBANY	WB4TFW	147.75	147.15	☆	
AMERICUS	K4VBH	147.87	147.27	N	
ASHBURN	KF4BI	147.885	147.285	☆	
ATHENS	WA4BKF	146.145	146.745	☆	A
ATHENS	K4TQU	147.975	147.375	N	
ATLANTA	K4DRQ	144.69	145.29	☆	
ATLANTA	W4DOC	146.22	146.82	☆	PA
ATLANTA	N4OD	146.37	146.97	☆	
ATLANTA	WA4NNO	146.40	147.00	N	PA
ATLANTA	K4YSB	147.705	147.105	N	
ATLANTA	K4SMX	147.795	147.195	☆	T
ATLANTA	WD4KDT	147.855	147.255	☆	PAL
ATLANTA/AIRPORT	W4REI	147.63	147.03	N	
ATLANTA/BELL	W4PME	144.81	145.41	☆	
ATLANTA/GA TECH	W4AQL	144.55	145.15	N	PA
ATLANTA/GPCO	WA4VBX	147.885	147.285	☆	
ATLANTA/STONE MT	W4BOC	146.16	146.76	☆	
ATLANTA/SWEAT MT	K4LCI	144.83	145.43	N	EA
ATLANTA/SWEAT MT	N4CLA	144.87	145.47	☆	EA
ATLANTA/SWEAT MT	KD4NC	146.13	146.73	☆	K
ATLANTA/SWEAT MT	N4NEQ	147.94	147.34	N	NB
AUGUSTA	W4TUN	144.51	145.11	☆	A
AUGUSTA	N4JA	144.89	145.49	☆	
AUGUSTA	W4LWT	146.04	146.64	☆	
AUGUSTA	AA4UA	146.235	146.835	☆	A
AUGUSTA	KT4N	146.34	146.94	☆	
AUGUSTA	NA4I	146.385	146.985	☆	PA
AUGUSTA	NI4S	147.72	147.12	☆	PA
AUGUSTA	N4BMA	147.78	147.18	☆	RPA
BALDWIN	WD4NHW	147.78	147.18	☆	A
BIRMINGHAM(AL)	N4IQT	144.59	145.19	☆	
BRUNSWICK	K4TVE	146.13	146.73	N	
CAIRO	AA4RD	147.795	147.195	N	
CALHOUN	KC4AQS	147.975	147.375	☆	
CARROLLTON	W4FWD	146.04	146.64	☆	A
CEDARTOWN	W4CMA	147.72	147.12	☆	PA
CLEVELAND/LONG	K4FOW	146.31	146.91	N	
CLEVELAND/LONG	K4FOW	147.615	147.015	N	
COLUMBUS	KA4CEK	144.71	145.31	☆	
COLUMBUS	W4FIZ	146.01	146.61	N	
COLUMBUS	N4AGO	146.28	146.88	N	
COLUMBUS-RTTY	K4ACH	144.77	145.37	N	R
CONYERS	WB4JEH	144.63	145.23	☆	
CONYERS	KE4SG	147.81	147.21	N	PA
CORDELE	WA4RWS	144.89	145.49	☆	
COVINGTON	WA4ASI	146.925	146.325	N	NB
CUMMING/SAWNEE	K4BYK	147.75	147.15	☆	PAL
DALLAS	K4DVJ	146.25	146.85	N	
DALTON	KE4UJ	144.63	145.23	☆	
DALTON	N4BZJ	144.65	145.25	☆	
DALTON	N4BZJ	147.735	147.135	☆	
DALTON	KE4LN	147.81	147.21	☆	
DECATUR	W4VTA	144.51	145.11	☆	EA
DECATUR	WB4CPL	144.75	145.35	☆	
DOUGLAS	KB4TCU	147.765	147.165	N	
DOUGLASVILLE	KB4EO	147.96	147.36	N	A
DUBLIN	WA4HZX	147.96	147.36	N	
ELLIJAY	W4HHH	146.385	146.985	☆	
FAYETTEVILLE	K4UWN	146.085	146.685	N	
FOLKSTON	K4DMK	146.19	146.79	N	
FOREST PARK	K4KQK	144.65	145.25	N	
FORSYTH	W4SPJ	147.315	147.915	N	
FORT PAYNE(AL)	WA4PJE	147.87	147.27	☆	A
GAINESVILLE	W4NSO	146.07	146.67	☆	A
GRIFFIN	K4HYB	144.79	145.39	☆	PA
GRIFFIN	K4HYB	146.31	146.91	☆	
HAMPTON	AC4P	146.235	146.835	N	
HARTWELL	KY4T	146.895	146.295	N	EA
IRWINTON	WB4NFG	147.84	147.24	N	
JASPER	KB4IZF	144.77	145.37	☆	
JASPER	W4OOM	146.10	146.70	☆	A
JASPER(AL)	WB4ACN	146.30	146.90	☆	
JESUP	WA4EQL	146.07	146.67	N	
JONESBORO	WA4DIW	144.57	145.17	☆	EA
JONESBORO	WA4OGE	144.73	145.33	N	
LAGRANGE	KO4R	146.25	146.85	☆	EA
LAGRANGE	WB4BXO	147.93	147.33	☆	EA
LANETT(AL)	K4DXZ	147.60	147.00	☆	
LEEDS(AL)	N4IQT	146.08	146.68	☆	
LINEVILLE(AL)	WB4VBA	144.83	145.43	☆	
MACON	WB4OLL	144.83	145.43	N	
MACON	W4BKM	146.06	146.66	☆	NBPA
MACON	K4ICT	147.66	147.06	☆	T
MADISON	WB4DKY	146.265	146.865	N	
MARIETTA	WA4QPL	144.89	145.49	☆	PA
MARIETTA	N4NFP	146.055	146.655	☆	EAL
MARIETTA	KE4FT	146.13	146.73	N	
MARIETTA	KC4KE	146.175	146.775	☆	
MARIETTA	W4BTI	146.28	146.88	N	
METTER	W4TYM	147.645	147.045	N	
MILLEDGEVILLE	KF4LI	144.55	145.15	☆	A
MILLEDGEVILLE	WB4DOJ	146.10	146.70	N	
MILLEDGEVILLE	KF4LT	146.205	146.805	N	
MOULTRIE	WD4KOW	146.19	146.79	N	
NEWNAN	K4SEX	144.53	145.13	☆	PA
NEWNAN	K4SEX	146.19	146.79	☆	
PERRY	KB4KIN	146.355	146.955	☆	A
PINE MT/HAMILTON	WB4ULJ	144.59	145.19	☆	
PRESTON	W4TOV	146.385	146.985	N	
QUITMAN	WA4NKL	146.28	146.88	N	
RINGGOLD	W4ABZ	146.115	146.715	N	
ROME	W4VO	146.34	146.94	☆	EA
ROME	K4HNM	147.90	147.30	N	
ROSSVILLE	W4FGQ	144.75	145.35	☆	
ROSWELL	N4CLA	147.66	147.06	☆	EA
SAVANNAH	K4NLX	146.10	146.70	☆	PA
SAVANNAH	W4HBB	146.28	146.88	N	
SAVANNAH	W4HBB	146.37	146.97	N	A
SAVANNAH	K4NLX	147.81	147.21	☆	PA
SNELLVILLE	WD4JXR	147.675	147.075	☆	PA
ST SIMONS ISL	KA4CVE	147.69	147.09	N	
STATESBORO	NC4D	147.705	47.105	N	
STOCKBRIDGE	WA4JDR	144.71	145.31	N	
STONE MT	W4BOC	144.85	145.45	☆	
SUMMERVILLE	KA4LVY	147.825	147.225	N	
SVR CRK/MT ALTO	K4HNM	147.90	147.30	N	
SWAINSBORO	K4VYX	146.19	146.79	N	
SYCAMORE	KF4BI	147.78	147.18	N	
THOMASTON	K4IMK	147.99	147.39	N	
THOMASVILLE	W4UCJ	147.66	147.06	N	A
TOCCOA	KA4DIP	147.93	147.33	☆	PA
TYRONE	W4PSZ	144.61	145.21	☆	PA
UNION CITY	WA4UPE	146.025	146.625	N	
VALDOSTA	W4APS	146.16	146.76	N	
VALDOSTA	K4JFE	147.735	147.135	N	
VALDOSTA/TIFTON	WA4VLP	144.53	145.13	N	
VIDALIA	N4JWP	146.025	146.625	☆	A
WALESKA/PNLGMT	KE4PN	144.67	145.27	N	L
WARNER ROBINS	WB4BDP	146.01	146.61	N	
WARNER ROBINS	W4HON	146.25	146.85	☆	A
WARNER ROBINS	W4MST	147.615	147.015	☆	
WARNER ROBINS	W4HON	147.90	147.30	☆	A
WAYCROSS	WA4GVG	146.04	146.64	N	
WRENS	WB4OCB	146.175	146.775	N	
WRIGHTSVILLE	WA4RVB	146.34	146.94	N	
YNG HRS/RCKY TP	N4EFL	146.355	146.955	N	

220 MHZ

ATL/CHESTNUT MT	W4DOC	222.96	224.56	☆	L
ATLANTA	W4DOC	222.74	224.34	☆	
ATLANTA	KK4C	223.22	224.82	☆	PAL
ATLANTA/BELL	W4ZTL	223.02	224.62	N	
ATLANTA/SWEAT MT	N4NFP	222.52	224.12	N	PAL
BUCHANAN/HARALSO	WB4UPC	222.46	224.06	N	L
BUCHANAN/HARALSO	WB4UPC	223.34	224.94	N	
CANTON	N4KSM	222.90	224.50	N	
CONYERS	WB4JEH	222.90	224.00	☆	
CONYERS	WB4JEH	222.96	224.56	☆	
CUMMINS/SAWNE MT	K4JSR	223.38	224.98	☆	PA
DALTON	N4BZJ	222.44	224.04	N	P
DALTON	N4KVC	223.24	224.84	☆	
GAINESVILLE	W4NSO	222.30	23.90	☆	
GRAY	W4TG	223.06	224.66	N	
JASPER	KB4IZP	222.40	224.00	☆	
MARIETTA	WA4QPL	223.30	224.90	☆	
PERRY	WL7ACY	223.24	224.84	☆	
ROSSVILLE	KC4EV	223.34	224.94	N	
STONE MT	W4BOC	223.16	224.76	☆	
THOMASVILLE	N4JBF	222.72	224.32	N	
VALDOSTA	W4APS	222.38	223.98	N	

440 MHZ

ALBANY	W4MM	439.25	427.25	N	
ALBANY	W4MM	449.50	444.50	N	
ATLANTA	W4KIP	439.25	421.25	N	V
ATLANTA	W4DOC	444.825	449.825	☆	NB
ATLANTA	W4DOC	449.45	145.67	☆	RB
ATLANTA	WB4UWL	449.50	444.50	N	
ATLANTA	N4WQ	449.625	444.625	N	AO
ATLANTA	WA4NNO	449.925	444.925	N	
ATLANTA	WA4YNZ	449.975	444.975	N	T
ATLANTA/BELL	K4LDR	449.15	444.15	☆	
ATLANTA/NE	WB8LVH	448.55	443.55	☆	
ATLANTA/STONE MT	W4BOC	449.25	444.25	☆	
AUGUSTA	WB4OCB	448.145	443.145	N	
AUGUSTA	NA4I	449.95	444.95	☆	
BRUNSWICK	KB4PXX	439.25	421.25	N	V
BRUNSWICK	K4TVE	449.975	444.975	N	
CHATSWORTH	AA4EO	448.00	443.00	☆	
CHEAHA MT(AL)	WB4VBA	444.00	445.00	☆	

MORE GEORGIA REPEATERS

COLUMBUS	WA4QHN	449.20	444.20	N	
CONYERS	WB8LBH	443.50	448.50	N	
CONYERS	WB4JEH	447.55	442.55	☆	
CONYERS	WB8LVH	448.50	443.50	☆	
DALTON	WA4TIW	449.735	444.735	☆	NB
DECATUR	WB4LBM	449.20	444.20	N	
ELLIJAY	W4HHH	449.70	444.70	☆	
GRIFFIN	WB4GWA	448.90	443.90	☆	PA
JASPER/BIG BUCK	N4OKS	448.80	443.80	☆	
LANETT(AL)	K4DXZ	447.05	442.05	☆	
LAWRENCEVILLE	WB4QDX	449.00	444.00	N	
MACON	WB4OLL	444.90	449.90	N	NB
MARIETTA	K4PQD	449.05	444.05	N	
MARIETTA	WA4MPW	449.325	444.325	N	
MARIETTA	N4NEQ	449.775	444.775	☆	
MARIETTA	N4NFP	449.85	444.85	☆	PA
MT OGELTHORPE	WB4BFD	449.375	444.375	N	
PERRY	KB4KIN	449.95	444.95	☆	
RINGGOLD	KJ4IU	448.925	443.925	☆	
ROCKY FACE	AA4EO	447.175	442.175	N	
SANDY SPRNGS/ATL	WA4MPW	449.325	444.325	☆	C
SMYRNA	N4IBW	449.65	444.65	N	
STONE MT	N4MSE	449.025	444.025	N	
SWEAT MT	N4CLA	448.20	443.20	☆	K
TIFTON	KF4JF	449.35	444.35	N	
TYRONE	K4NEF	449.55	444.55	☆	
VALDOSTA	W4APS	449.70	444.70	N	

10 METERS

ALBANY	W4MM	29.58	29.68	N	L
CONYERS	WB8LVH	29.52	29.62	☆	L
DALTON	N4BZJ	29.58	29.68	N	
SANDY SPR/ATL	KJ4IS	29.56	29.66	☆	C

6 METERS

ATLANTA/SWEAT MT	WB4UPC	52.05	53.05	N	
CONYERS	WB4JEH	52.55	53.55	☆	
LINEVILLE(AL)	WB4ODA	52.07	53.07	☆	
SANDY SPR/ATL	WA4MPW	52.09	53.09	☆	C

1270 MHZ

ATL/CHESTNUT MT	W4DOC	291.40	271.40	☆

PACKET

ADEL	KF4JF-1		145.01	N	K
ALBANY	W4MM-1		145.09	N	K
AMICACOLA MT	WB4GQX-4		145.09	N	K
ATLANTA/EAST	KF4JJ-1		145.03	☆	K
ATLANTA/EAST	KE4ZV-1		145.03	☆	K
AUGUSTA	WD4CNV-1		145.01	N	K
CLARKSVILLE	W4EAW-1		145.01	N	K
COHUTTA	W4KAU		145.01	N	K
COHUTTA	W4KAU		145.09	N	K
COLUMBUS	K4ABT-1		145.01	N	K
CUMMING/SAWNEE	WB4GQX-1		145.01	N	K
FAIRMONT	AA4EO-1		145.09	N	K
FORSYTH	WB4GQX-2		145.01	N	K
HAMPTON	WA4TXT-1		145.01	N	K
LAGRANGE	WB4BXO-1		145.03	☆	K
LYONS	N4JWP-1		145.01	☆	K
MACON	K4ICT-2		145.05	☆	K
PERRY	K4ICT-1		145.01	☆	K
PERRY	KB4KIN-1		145.01	N	K
PERRY	KB4KIN-5		145.05	N	K
PINE MT/HAMILTON	WB4ULJ-1		145.01	☆	K
ROBERTA	K4ICT-4		145.01	N	K
ROME	NC4G-1		145.09	N	K
SAVANNAH	K4NLX-2		145.01	☆	K
SAVANNAH	K4NLX-1		145.03	☆	K
SYCAMORE	WD4LYV		145.01	N	K
SYCAMORE	WD4LYV		145.05	N	K
WARNER ROBINS	K4AGT-1		145.01	N	K
WARNER ROBINS	WL7ACY-2		145.05	☆	K
WARNER ROBINS	WL7ACY-1		145.05	N	K
SAWNEE MT/CUMMIN	WB4GQX-1		223.70	N	K

BUY YOUR EQUIPMENT FROM OUR REPEATER JOURNAL ADVERTISERS TELL THEM YOU SAW THEIR AD IN THE REPEATER JOURNAL!

WEST VIRGINIA REPEATERS

2 METERS

ALDERSON	WA8AVZ	146.13	146.73	N	
BECKLEY/EOC	N8FWL	144.77	145.37	☆	LA
BECKLEY/FLAT TOP	K8BO	146.25	146.85	☆	A
BLUEFIELD	W8MOP	144.89	145.49	N	
BOLT/BOLT MT	N8DKL	144.57	145.17	☆	L
BRIDGEPORT	WB8DKM	147.72	147.12	☆	EAL
BUCHANNON	N8FHE	144.53	145.13	☆	
BUCKHANNON	N8FHE	144.81	145.41	☆	A
BUCKHANNON	K8WYH	146.25	146.85	N	
BURLINGTON	N8FMD	146.145	146.745	☆	
CHARLESTON	N8FMD	144.69	145.29	☆	LC
CHARLESTON	W8WHQ	144.83	145.43	N	
CHARLESTON	WB8IFS	146.22	146.82	N	
CHARLESTON	WB8CQV	146.28	146.88	N	
CHARLESTON	KD8TC	147.81	147.21	N	C
CHARLESTON/HGTN	K8SLI	147.87	147.27	N	A
CHARLESTON/HTGN	K8SLI	144.81	145.41	N	
CLARKSBURG	N8FMD	146.085	146.685	☆	
CLARKSBURG	KE8MR	147.915	147.315	N	
CRAIGSVILLE	KD8OG	144.67	145.27	N	L
DUNBAR	K8VKI	147.72	147.12	☆	EA
FAIRMONT	W8SP	146.30	146.90	N	NB
FLAT TOP/WINTERP	N8BZS	146.025	146.625	☆	
FRANKLIN	W3RUA	147.945	147.345	☆	
GASSAWAY	WB8MZI	146.01	146.61	N	
GRAFTON	WD8LNB	147.975	147.375	☆	
HARRISVILLE	WB8NSL	147.90	147.30	N	
HUNTINGTON	WB8FEQ	144.61	145.21	N	R
HUNTINGTON	W8VA	146.16	146.76	☆	A
HUNTINGTON	KA8BKX	147.90	147.30	N	PA
HUNTINGTON/CHAS	WB8EZR	146.04	146.64	☆	
KINGSTON/LICK KB	W8FG	144.87	145.47	☆	L
LAYLAND/MANN MT	N8BZS	144.71	145.31	☆	L
LEON	WB8NMT	147.78	147.18	N	
LOGAN/BLAIR MT	NU8K	144.63	145.23	☆	
LOGAN/WARD RK MT	WD8DRV	146.37	146.97	☆	A
MADISON	KA8JYR	146.06	147.06	N	NB
MARMET/BEE MT	N8DBN	144.55	145.15	N	
MARTINSBURG	WA8FSE	144.55	145.15	M	
MARTINSBURG	WB8VAZ	147.855	147.255	M	
MCMECHEN	WA8ULB	146.31	146.91	N	
MORGANTOWN	K8LG	144.83	145.43	N	AL
MORGANTOWN	W8CUL	146.16	146.76	☆	LPA
MT STORM	K8VNQ	147.705	147.105	☆	L
MULLENS/HRNDN MT	KC8IT	147.63	147.03	☆	LARB
NEW MARTINSVILLE	WB8CSW	146.34	146.94	☆	
NEW MARTINSVLLE	WB8CSW	147.54	146.94	☆	NB
OAK HILL	K8CFT	146.19	146.79	☆	EA
PARKERSBURG	WA8CRW	146.37	146.97	☆	
PARKERSBURG	W8JZN	147.99	147.39	☆	
PARSONS	K8VNQ	144.73	145.33	☆	EAL
POINT PLEASANT	W8KNM	147.66	147.06	N	
PRINCETON	KC8WL	146.46	147.06	☆	A
PRINCETON/PIPEST	WD8OGY	146.325	146.925	N	A
RAVENSWOOD	WD8JNU	146.07	146.67	N	
RAVENSWOOD	WD8JNU	146.10	146.70	N	R
SALT ROCK	WD8MCR	144.51	145.11	N	
SHERRARD	KD8GL	146.115	146.715	N	EAL
SPRUCE KNOB	N8HON	146.055	146.655	☆	
ST ALBANS	WB8GDY	146.40	147.00	☆	
ST ALBANS	KA8SVR	147.75	147.15	N	
ST ALBANS	K8WMX	147.975	147.375	☆	R
ST MARYS/BENS R	WB8ECC	147.63	147.03	N	L
SUMMERSVILLE	K8VKB	146.34	146.94	☆	
TERRA ALTA	KD8ZR	147.60	147.00	☆	PA
WEIRTON	KC8JN	146.34	146.94	N	A
WELCH	WB8SXZ	144.85	145.45	N	
WESTON	WD8EOM	144.79	145.39	N	PAL
WHEELING	WB8JGY	144.59	145.19	N	
WHEELING	W8JDH	146.16	146.76	N	
WILLIAMSON	N8GOE	144.73	145.33	☆	PA

220 MHZ

FLT TP/WNTRPLACE	N8BZS	222.46	224.06	☆	
GRAFTON	WD8LNB	222.88	224.48	☆	L
KINGSTON/LICK KB	W8FG	223.14	224.74	☆	
WILLIAMSON	KA8YYW	222.54	224.14	☆	

440 MHZ

BUCKHANNON	N8FHE	448.10	443.10	☆	
CLARKSBURG	N8FMD	449.875	444.875	☆	
GRAFTON	WD8LNB	447.20	442.20	☆	
HUNTINGTON	KA8QYU	449.50	444.50	N	
LK KNOB/KINSTON	N8FRV	449.80	444.80	☆	
LOGAN/BLAIR MT	WB8FQJ	449.40	444.40	☆	
MORGANTOWN	K8LG	449.70	444.70	N	L
MORGANTOWN	W8CUL	449.80	444.80	☆	PAL
MULLENS/HRNDN MT	KC8IT	449.00	444.00	☆	RBL
S. CHARLESTON	WB8CQV	449.95	444.95	N	
ST ALBANS	WD8OZT	449.60	444.60	☆	

MORE WEST VIRGINIA REPEATERS

6 METERS

DANVILLE/MADSN	K8JYR	52.06	53.66	N	NB
HERNSHAW/BEE MT	KA8SVR	52.09	53.69	N	NB
RAND	N8CDE	52.12	53.72	N	NB
ST ALBANS/COAL	WD8JKA	52.03	53.63	N	NB
ST MARYS/BENS R	WD8RET	52.17	53.17	N	L

PACKET

HUNTINGTON	KA8EUU-1	145.01	N	K
LOGAN/BLAIR MT	WB8FQJ-1	145.01	★	K
MORGANTOWN	N8BHI-1	145.01	☆	K
ST ALBANS	K8SLI-1	145.01	N	
TERRA ALTA	KD8ZR	145.01	☆	K
WILLIAMSON	KA8YYW-1	145.01	N	K

EAST KENTUCKY REPEATERS

2 METERS

ASHLAND	KD4SN	146.34	146.94	☆	
ASHLAND	KA4DII	147.84	147.24	N	PA
ASHLAND	WA8KWH	147.93	147.33	☆	A
DEAN	AK4U	144.61	145.21	☆	L
DOG FORK MT	N4MWA	147.75	147.15	N	
ELKHORN CITY	WB4WAU	147.60	147.00	☆	PA
FLAT GAP	KB4NDB	147.69	147.09	☆	O
GRAYSON	KF4JO	146.10	146.70	N	
GUTHRIE	KA4NNE	146.205	146.805	☆	
HARLAN	WM4R	144.75	145.35	N	
HAZARD	K4VHF	146.07	146.67	N	
JENKINS	WD4PDJ	147.99	147.39	N	
LEXINGTON	KC4TX	144.85	145.45	N	A
LOUISA	WA4SWF	146.13	146.73	☆	EA
LYNCH/BLACK MT	N4IZD	147.945	147.345	N	
MAYTOWN	AK4U	146.28	146.88	☆	L
MIDDLESBORO	W4PPM	144.63	145.23	N	
MOREHEAD	K4GFY	146.31	146.91	☆	
MT. STERLING	WD4KNE	147.745	147.145	N	
MT. STERLING	WD4KNE	147.93	147.33	N	
PHELPS	KJ4YK	147.69	147.09	☆	C
PIKEVILLE	N4IWZ	144.55	145.15	☆	
PIKEVILLE	WB4GEL	146.19	146.79	☆	PA
PIKEVILLE	N4IXA	146.25	146.85	☆	EAL
PIKEVILLE	WB4GEL	147.87	147.27	☆	PA
PINEVILLE	WA4YZY	146.04	146.64	N	
PRESTONSBURG	K4ICN	144.69	145.29	☆	LRB
WINCHESTER	WB4ASZ	147.72	147.12	☆	EA

220 MHZ

ASHLAND	KC4QK	222.34	223.94	N	
LOUISA	K4PGA	222.12	223.72	N	EA
PIKEVILLE	WB4F	222.98	224.58	☆	
PIKEVILLE	N4ETG	223.02	224.62	☆	A

440 MHZ

LYNCH/BLACK MT	N4IZD	448.10	443.10	N

6 METERS

FLAT GAP	N4MPM	52.45	53.45	☆
GUTHRIE	KA4ZKL	52.23	53.23	☆

PACKET

ASHLAND	KD4SN-1	145.01	N	K
BEREA	KA4MZY-1	145.01	N	
ELIZABETHTOWN	W4BEJ-1	145.01	N	
ELKHORN CITY	WB4WAU-1	145.01	N	
FRANKFORT	KB4AGA	145.01	N	
FRANKFORT	KB4AGA-1	145.01	N	K
GREENSBURG	N4ICS	145.01	N	
HAZARD	K4AVX-1	145.01	N	
LEXINGTON	WA4JAV-BB	145.01	N	
LEXINGTON	KF4NB-BBS	145.01	N	
LEXINGTON	W4AUZ-1	145.01	N	
LOUISA	WA4SWF-1	145.01	N	
LOUISVILLE	W4MOP-1	145.01	N	
PRESTONSBURG	WA4FHK-1	145.01	☆	K
VERSAILLES	WB9TPG-1	145.01	N	K
WHITESBURG	KB4TTQ-1	145.01	N	K
WINCHESTER	WB4FDK-1	145.01	N	K
WINCHESTER	WB4FDK	145.01	N	

There Is Strength In Unity!

#1 Source of PACKET Info

CTM
Magazine
For Amateur Radio and Computerists
(in our 6th year)

Why Should You Subscribe?

Read what our subscribers say!

It's in the fine print!

•*Your magazine is the finest innovation that I have seen in ham radio since 1953 - except... maybe the all-solid state transceiver.* Carl Soltesz, W8PFT • *...have most certainly received my moneys worth in software...* Michael Regan, K8WRB • *...you have found a nice niche for CTM in packet... you have me getting interested...* Charlie Curle, AD4F Chattanooga, TN • *The packet computer info convinced me to subscribe.* John Skubick, K8JS • *Enclosed is my check for renewal of my subscription. I enjoy the down to earth and homey style of your magazine and the many fine computer articles...* Andy Kosiorek, Lakewood, OH • *I was both pleased and dismayed upon becoming acquainted with your magazine at HAM-COM. Pleased that I discovered your magazine - dismayed that I didn't long before now.* Bill Lathan, AK5K • *...CTM gives the finest coverage to packet radio that I have seen in any of the computer or amateur radio magazines. It would appear that CTM has just the right blend of packet amateur radio articles and computer articles.* Barry Siegfried, K2MF • *Of the three HAM magazines I received each month QST, 73 and CTM, CTM is the only one I read from cover to cover and carry with me during my travels abroad. Most of the time it remains in that country.* Buck Rogers, K4ABT

U.S.A. $18.00 1 Yr -- $10.00 6 Months (Limited Offer) $33.00 2 Yr -- $48.00 3 Yr
Mexico & Canada $32.00 1 Yr (Surface)
Other Countries (Air) $68.00 (Surface) $43.00 1Yr
U.S.FUNDS ONLY
Permanent Subscription $150.00
Sample Copy $3.50 - Back Issues $3.50

Mail to:
Circulation Manager
1704 Sam Drive
Birmingham, AL 35235
(205) 854-0271
Nane____________________
Call Sign____________________
Address____________________
City____________ST___ZIP________
Date____________________
Signature____________________
RJ

SANTEC FM-240 for 2-Meters

Santec-Nology Strikes Again!

CPU Addressable Prompt System Helps You Program the Advanced New Santec FM-240. All Tuning Done with only one Button (Enter) and the Main Tuning Knob. The Simplest Radio with the Most Features on The Market.

The Santec FM-240 Has All the Features, Is The Smallest and Easier To Operate Than All The Other Transceivers On The Market Today. The Only Thing You Aren't Paying for is Expensive Color Ads. You're Paying for Technology - Santec-nology. Don't Let A Name Throw You - Let the Radio Convince You. The Santec FM-240 Will Do Just That - We Guarantee It.

MEMO
VFO
CALL
FM-240
SPD TSQ REV SCN - OFFSET + PRI
Ch9 146.760
OFF
SQUELCH
RCV
XMT
REV SCAN OFST SPCH PRIO ENT

Call Us! You'll Like The Price!

List Price
$399.95

$329.00

Optional Accessories

Voice Synthesizer Module	$43.95
Sub Tone Encode/Decode Module	$25.95
Extra Mobile Bracket	$10.95
Extra Fused Power Cable	$8.95

We offer FREE UPS Shipping
Sorry NO CREDIT CARDS
For Phone CODs add only $1.90

Here's what the Fabulous FM-240 will do:

- 25 watts and 5 watts output
- 16 memory channels and a priority channel
- Automatic offset programmable. (odd Offsets too)
- Four Different modes of scan, programmable in each channel
- Second VFO tracks your dial readout
- Reverse or simplex your repeater - push a button!
- Priority Channel with priority alert system
- SIMPLE to program - ONE button, ONE knob!
- TINY! Only 1-1/2H x 5-1/2W x 6-5/8D (Inches)
- 16-position Touchtone pad Speaker Mike-Standard!
- Up/Down, Tune, scan, lock-switch on speaker mike
- Distinctive Alpha-Numeric LCD readout system
- CPU Addressable "Prompt System" helps you program
- Optional Voice Synthesizer - plugs in simply!
- Optional sub-audible tone Encode & Decode - plugs in.
- Comes with mobile bracket, speaker microphone w/TT pad, power cord, mike hanger, and easy-to-read manual.
- 90 day Full Warranty-plus the ENCOMM exclusive 2-year Service Warranty. (Details upon request)
- The Exclusive Williams guarantee. If you receive your FM-240 and it doesn't work - we send you a new one!
- Covers 2-meters, CAP and MARS and more!

The Largest Mail-Order Santec Dealer IN THE NATION!
SANTEC • TOKYO HY-POWER • WELZ • KENPRO

WILLIAMS RADIO SALES

THE SANTEC TOLL-FREE HOTLINE
1-800-523-0347
NC Call (919) 993-5881
NOON to 10:00 PM EST
600 LAKEDALE ROAD, DEPT. S
COLFAX, N.C. 27235

WEST ANTENNA SERVICE – YOUR SOURCE FOR ROHN TOWERS AND ACCESSORIES

Rohn 25-G Straight Sections

In addition to a large stock of straight tower sections, we also have flat and sleeved top sections, trust bearings, house brackets, short base sections, rotor plates, guy assemblies, guy wire, cable clamps, turnbuckles – you will need for a complete tower installation.

Utility Poles & Hardware

We have a limited variety of utility pole hardware and can supply utility poles in the Greensboro, N.C. area.

Scotchkote Electrical Coating

Made by 3-M Co. Can be used for underwater connections also. A 15 oz. can will do 50 to 100 connections.

15-oz. can Scotchkote coating	$8.00

WEST ANTENNA SERVICE HAS ROPE

ALL TYPES OF ROPE AVAILABLE

SIZES FROM NO. 4 TO 1-INCH

Call for Prices on Sizes and Types

West Antenna has a huge inventory of all types of synthetic rope in all sizes to fit your every need. Write or call for a free rope catalog. Large or small, your rope requirements can be met by us.

Some Types we Stock:

- **Unmanila – looks like manila . . . feels like manila . . . but it's not, it is a new polypropylene fibre**
- **Polypropylene – 3 strand twisted . . . a first class 3-strand twisted 100% mono filament polypropylene rope, twice as strong as manila.**
- **Mariner . . Diamond Braid Polypropylene rope, 8 strands, a real work horse. Easy to splice resistant to damage by rot, abrasion, oil grease.**
- **Twisted Nylon rope . . . regular 3-strand, medium lay nylon rope, the strongest rope in general use today. Will stand sudden shock.**
- **Solid braided Nylon Cord . . . very strong, soft lightweight, resistant to rot, abrasion, mildew, with shock absorbing elasticity.**

Plus many more kinds and sizes and strengths

Check These Rope Specials:

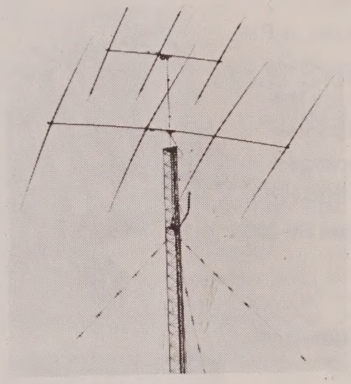
BLACK TWISTED POLYPROPHELENE

Good for dipoles or overhead supports on beams at a very low cost. Lasts two or three times longer in the sun than regular poly rope.

1/4-inch	4-cents/foot
600-foot spool	16.88
1,000-foot spool	26.88
3/8-inch	8-cents/foot
600-foot spool	37.50

Hard Line and Connectors

West Antenna Service can also supply 1/2 and 7/8-inch hard line in aluminum or copper. We also have a limited stock of hard line connectors. If we do not have the connectors you need, they can be supplied within approximately 10 days.



BATTERY TAPS

Assembly provides connection to battery cable on the new side-terminal batteries, or any connection situation where terminals are not accessable. Slips over cable and set screw penetrates jacket for contact. Radio wire slipped into hole and second set screw tightens. Has proven quite adequate for high current needs.

Battery Taps	4.95 ea.

POLYPHASER Lightning Suppressers

High quality commercial units. Low loss, low noise. Frequency range through 1 Ghz. Bulkhead and inline types available, including rotor cable and D.C. control lines. Call for prices.

2-way shops are urged to check for Dealer Pricing.

MISCELLANEOUS

PL-259 CONNECTORS (U.S. Made)	65¢ ea.
10 or more	60¢ ea.
UG-175 or 176 ADAPTERS	30¢ ea.
10 or more	25¢ ea.

Other Tower Accessories

Aluminum mast pipes, feature 2-inch OD 6061 tubing with 1/4-inch wall.

12-foot lengths, 19 lbs. - In Stock
24-foot lengths, 38 lbs. - In Stock

Touch rust spots on your tower and antenna bolts with RUSTOLEUM, cold galvanizing.

Large 20-oz. Industrial spray can	$6.00

Stainless Steel Strapping Kits

Stainless steel strapping kits, for strapping hard line or multiple runs of Coax. Kits come with 25, 50 or 100-feet of stainless steel strapping and buckles.

25-foot strapping kit	$18.00
50-foot strapping kit	$25.00
100-foot strapping kit	$36.00

FOR THE ULTIMATE MOBILE INSTALLATION

We have what you need — wire, fuse blocks, fuses, connectors, relays! You want your Mobile Low band or amplifier installation to work efficiently. We have the proper wire, fusing and parts needed for a perfect installation.

WIRE – Single Conductor-Stranded,
red or black vinyl insulation . .

#10 wire	30¢ per foot
#14 wire	20¢ per foot

FUSE BLOCKS – Our fuse blocks are rugged holding fuses much larger than the little 3AG glass type. This prevents overheating and voltage loss with high currents. Set screws in end of fuse blocks will accept wire up to #6.

30-Amp Fuse Block	$4.95
60-Amp Fuse Block	$5.95

FUSES—5,6,7,8,10,20,25,30 Amp . . . . 80¢ each
35,40,45,50 & 60 Amp. Fuses also available upon request.

RELAYS—These Motorola Type A style relays can be installed near the fuse block in the fenderwell and remotely switched under the dash with a small toggle switch. Excellent for switching high current lines. Relays are a closed type with screw terminals for mounting. . . . . Special $13.95

40-Amp cont. duty, solenoid-type, 12V 19.95
(Commercial Dealers, call For Dealer Prices)

OTHER ACCESSORIES AT GOOD PRICES!!

GUY WIRE INSULATORS – Compression-type porcelin. Approx 1½x2½-inches, 3/8-inch hole

Insulators	$2.00 each
10 or more	$1.80 each

STEEL WIRE – Zinc coated. Can be used for antennas or light guy wire, not recommended for tower guying. Sold in 10 lb. coils only.

#9 approx. 170-ft.	$13.00
#12½ approx. 382-ft.	$13.00
14-gauge Solid Copper THHN insul. 500-ft. spool	$15.00

WEST ANTENNA SERVICE

Harwood West, WB4RLO • Local Call 621-2473

ROUTE 6 BOX 529-A
GREENSBORO, N.C. 27405

CALL TOLL FREE 1-800-334-4252
NC RESIDENTS 1-800-632-0389

WEST VIRGINIA NOTES

By Ted Wolfe, WD4KHL

In a previous column I alluded to the "wormhole" which was being used by some hams of my acquantance. I was hoping someone with more knowledge than I would write it up. But I haven't seen anything in print about it except for some specialized amateur newsletters.

Therefore, whatever I write has been gleaned from those who have used the "wormhole" and what I've learned from an article by Rich Zwirko, K1HTV, 12509 Ransom Avenue, Glen Dale, MD 20769 found in PACKET RADIO MAGAZINE.

Basically, the story is that one duplex circuit of a multi-channel KU band satellite system was being readied early this year for a series of radio packet experiments to run for one year. The channel was described as a 56-kilobaud duplex circuit.

The "wormhole" itself, as I understand it, is a 9600 baud East-West link over satellite station equipment provided by Vita Link Communications Corporation and its co-founder, Mike, WB6FFC.

Equipment used at the Maryland end of the KU band link includes a TAPR TNC-1, an IC 230 2-meter FM transceiver and a Ringo Ranger antenna. The call sign WA3YMH-1 was to be used at both ends of the path, according to Zwirko's article.

At first a 2-meter output frequency of 145.010 Mhz was used on both ends, but quite soon afterwards the Maryland side was moved to 145.070 Mhz. Stations in the Washington, DC, area were able to connect through WA3YMH-1 to W6AMT in California via the satellite link. If needed, the K3AF digipeater could be used by more distant Maryland and Virginia stations to get to WA3YMH-1.

Fred Jones, WA4SWF, Louisa, Ky, the Kentucky SERA director, was one of the first from this area to work through the "wormhole" by using a number of intermediate digipeaters to connect from Louisa, through West Virginia and Virginia to Maryland and the gateway.

The "wormhole" test coincided with a test of the NET/ROM on the W6AMT system in California. There are several nodes in the W6AMT system. The WA6AMT-0 mode utilizes TNC-2s running the new WA8DED/W6IXU firmwave.

The above may be incomplete, but I did try to keep my word to provide a bit more information on the "wormhole" to readers of the **Repeater Journal.**

• • • •

So far as I have been able to determine there are only four NET/ROM installations in West Virginia. Buck Early at Ravenswood has one on his WA8USO-2 set up with a WWVA alias (for Western West Virginia). KA8ZXP-1 is at Clarksburg with the alias NCWV (North-Central West Virginia). KA8ZXP-3 at Terra Alta (alias NEWVTA for North-Eastern West Virginia/Terra Alta). And WB8ZTV NWV for Northern West Virginia, but my informant didn't know the town.

I've also been informed there's at NET/ROM node at Wytheville, Va., 30-miles south of the WV line at Bluefield. No call was provided. Then there's K8AL-1 at Cambridge, Ohio.

If you non packeteers are curious about NET/ROM that subject is too technical for me to tackle so you'll have to learn about it the way I did, by a lot of reading.

• • • •

At the recent Ripley, WV, hamfest I traded some used equipment for more of the same, acquiring an AEA PKT-1 first generation TNC from WA8USO, who operates a BBS from his home near Ripley.

But I guess I need a higher powered rig, a higher antenna, or a beam as I cannot seem to maintain a connect. I'm in a river bottom between the mountains and about 15-miles from the nearest digipeater.

But the owner of the 147.87/147.27 repeater at St. Albans, Ralph, KA8SVR, recently told me he had no objection to my using his regular repeater to run some experiments to try to get and maintain a connect at times when it was not being used for voice. I may try that soon to see if I can connect out of my "hole."

The Jackson County ARC at Ripley has been faithful in sending me a copy of their monthly club newsletter, "Loud 'n Clear," edited by Bob Morris, WA8CTO. Don Williams, WA4K, editor of the Bluefield East River ARC "East River Current" also sees that I get a copy of that newsletter. The fellows at Logan used to send a copy of their newsletter, but I haven't seen one from them for some time. I might find something to pass along to the **Journal,** crediting your club, of course. But I can't write about your club's activities if I don't know about them. My mailing address is: P.O. Box 133, Cabin Creek, WV 25035. The phone number is (304) 595-3970.

• • • •

The East River ARC at Bluefield meets the first Monday of the month at 6:30 p.m. at the Bonanza Restaurant. A new slate of officers for 1987-88 was elected in August and have already assumed their posts. They are: Willie Walters, KA8ENY, president; Pat McNulty, Sr., K8ZDV, vice president; James R. Perdue, KC8NG, secretary; and Ira Hill, KE8AO, treasurer. Lee Brooks, Jr., K8BHG is club trustee.

• • • •

The Charleston Sternwheel Regatta is a ten day program of outdoor activities at the end of summer, culminating on Labor Day. The 1987 event was the 17th year for the Regatta. Bill Hunter, K8BS, coordinated ham activity this year for the Kanawha ARC. Bill reports that 40 hams donated 500 man hours of volunteer effort providing communication for the Boulevard Mile Run, the bicycle tour, the soccer tournament and all Saturday and Sunday river events.

The hams' role at night was of a more informational nature and the coordination of lost child reports. Estimates ran over 100thousand attendance at some events. Among the free nighttime musical programs were concerts by Kathy Mattea, a country music singer and Valley resident; the Van Dells; Blood, Sweat and Tears; Three Dog Night; Reba McEntire; and Ray Charles.

• • • •

Johnny Jones, WB8CQV, has a system on his 146.28/146.88 Charleston repeater capable of linking with another 2-meter repeater or to a 10-meter remote base. When the 10-meter linkup is in place the 2meter machine is linked to 29.6 Mhz on FM. It can startle you when a 2-meter repeater in 8-land starts spouting 4, 5, or 9-land calls during QSOs.

• • • •

Buzz Collins, K8CFT, Oak Hill, confirmed to be in a 2-meter QSO in September that the Oak Hill 146.19/146.79 repeater has been moved to Lick Knob. The repeater was recently conditionally recoordinated for the new site, with the antenna mounted on the tower of Beckley FM station WCIR. The tower is not far from the Kingston/Lick Knob. W8FG 144.87/145.47 repeater operated by the Kanawha-Fayette-Clay ARA.

The Oak Hill repeater is sponsored by the Plateau ARC. The move appears to have increased the coverage of the K8CFT repeater. The sponsoring club hopes to be able to add other features, such as an autopatch, later.

November Directory Goes to ARRL

The corrected November repeater index will be sent to the ARRL for updating the ARRL National Repeater Directory. Final changes will be sent to them sometimes near the first of the year.

How your repeater is listed in this issue of the Journal, will more than likely be the way it will be listed in the ARRL 1988 Directory.

NAME BADGES
Actual Size

$6.00 Postpaid
1 Day Service

DYNAMIC ENGRAVERS
RT. 5, BOX 544
DUNN, N.C. 28334

KA4LKF
JIMMY
SPIVEY'S CORNER, N.C.

Your Choice of Colors!
● RED/WHITE ● BLACK/WHITE
● BLUE/WHITE ● WOOD GRAIN/WHT.

Your Station I.D.

— by Ace Norton, NA4I

The new ID regulation (5 years old - 1/82 QST page 61) was good news for VHF/UHF repeater users where most activity is mobile.

The regulation states - simply put "You should ID every 10 minutes and at the end of the communications".

Does that mean that you can begin a QSO with "Hello Joe, how are you?" YES.

Does that mean that you can ignore the call sign of the other station? YES.

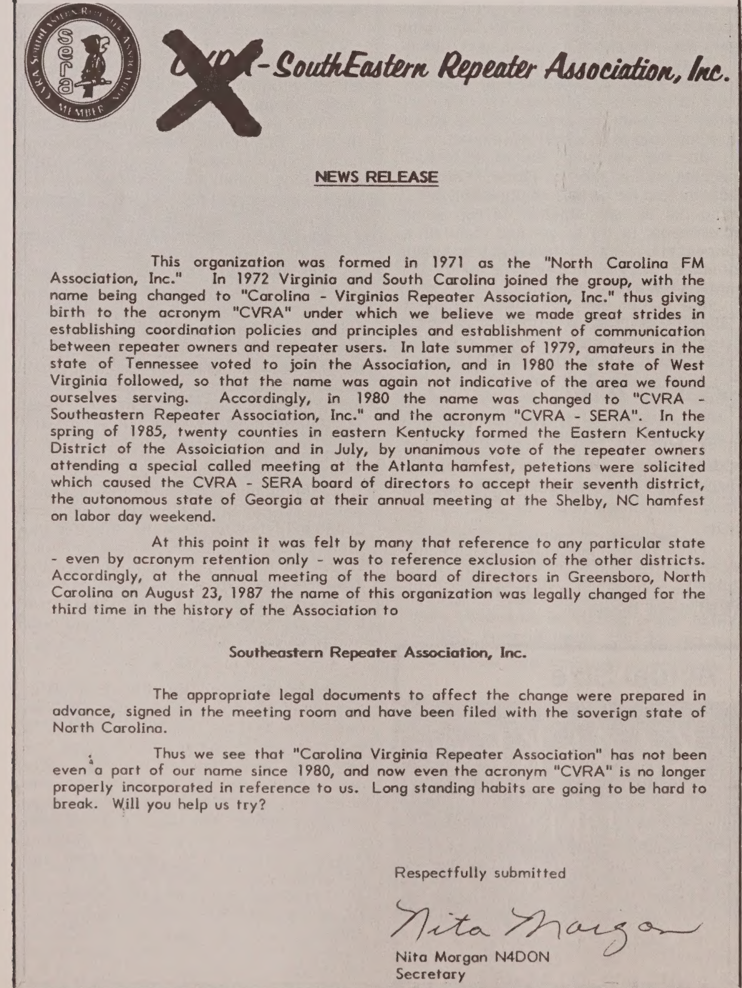
When I am mobile I have a mike in one hand and a steering wheel in the other, so what the call sign of the other station is I don't worry about. I listen for name and from there on its - Joe, this is W4XYZ. I will ID my call with - this is W4XYZ every ten minutes and at the end and its up to the other station to do likewise.

If someone calls you simply answer with - this is (your call) - no need to say his call. The only time you would need to say someone elses call would be when you call him. When you need to QRT a QSO simply say "73 Joe, Bob this is (your call) clear. This is a lot easier than saying one or more call signs, if you can remember them then your own.

Let's try to unclutter the repeaters by not saying unnecessary call signs.

Note - Under certain conditions like HF, DX and other special situations like international phone patching - saying both call signs may not only be practical but required.

CVRA is No More! Now It's Just "SERA"



~~CVRA~~ - SouthEastern Repeater Association, Inc.

NEWS RELEASE

This organization was formed in 1971 as the "North Carolina FM Association, Inc." In 1972 Virginia and South Carolina joined the group, with the name being changed to "Carolina - Virginias Repeater Association, Inc." thus giving birth to the acronym "CVRA" under which we believe we made great strides in establishing coordination policies and principles and establishment of communication between repeater owners and repeater users. In late summer of 1979, amateurs in the state of Tennessee voted to join the Association, and in 1980 the state of West Virginia followed, so that the name was again not indicative of the area we found ourselves serving. Accordingly, in 1980 the name was changed to "CVRA - Southeastern Repeater Association, Inc." and the acronym "CVRA - SERA". In the spring of 1985, twenty counties in eastern Kentucky formed the Eastern Kentucky District of the Assoiciation and in July, by unanimous vote of the repeater owners attending a special called meeting at the Atlanta hamfest, petetions were solicited which caused the CVRA - SERA board of directors to accept their seventh district, the autonomous state of Georgia at their annual meeting at the Shelby, NC hamfest on labor day weekend.

At this point it was felt by many that reference to any particular state - even by acronym retention only - was to reference exclusion of the other districts. Accordingly, at the annual meeting of the board of directors in Greensboro, North Carolina on August 23, 1987 the name of this organization was legally changed for the third time in the history of the Association to

Southeastern Repeater Association, Inc.

The appropriate legal documents to affect the change were prepared in advance, signed in the meeting room and have been filed with the soverign state of North Carolina.

Thus we see that "Carolina Virginia Repeater Association" has not been even a part of our name since 1980, and now even the acronym "CVRA" is no longer properly incorporated in reference to us. Long standing habits are going to be hard to break. Will you help us try?

Respectfully submitted

Nita Morgan

Nita Morgan N4DON
Secretary

NICAD BATTERIES

Batteries to fit the following radios. Specify Brand and Model when ordering.

Priced at Only
$32.00

Please add $1.50 UPS Shipping. Add $1.90 Phone CODs N.C. Residents Add 5% State Sales Tax.

Batteries to fit:

WILSON MK-II & MK-IV
YAESU FT-207, FT-208
SANTEC HT-1200, ST-7
ST-144, ST-220, ST-440
ST-142, ST-222, ST-442

In Stock-Ready for Immediate Shipment.

Special Sale!

1988 CALLBOOKS!

U.S. - $22.95
Foreign - $23.95
Both Only - $45.00

Add $2.00 UPS Shipping
No Credit Cards.
N.C. Residents Add 5% Tax.

SPECIAL! SPECIAL!

Place Your Callbook Order BEFORE DEC. 1 and We Will Pay UPS Shipping.

JUST IN TIME FOR
CHRISTMAS GIFT SHOPPING

ARRL-BOOKS-ARRL

Tune In World W/Tapes	$15.00
Tune In World Book	$12.00
Tech/Gen. Study Guide	$5.00
Advanced Study Guide	$5.00
Extra Study Guide	$5.00
Code Tapes - Specify Speed 5-7½ / 10-13 or 15-20 WPM	$5.00
FCC Rule Book	$5.00
1988 ARRL Amateur Handbook	$21.00
Repeater Directory (ARRL)	$4.00
ARRL Log Books	$2.50

Add $1.50 shipping each Order. Add $1.90 for Phone CODs. N.C. Res. Add 5% Tax. No Credit Cards Accepted.

WILLIAMS RADIO SALES
600 LAKEDALE ROAD, DEPT. R
COLFAX, N.C. 27235
1-800-523-0347
NC Call (919) 993-5881
NOON to 10:00 PM EST

REPEATER JOURNAL ADVERTISING RATES

Effective 1 January 1987

The Repeater Journal is a 3 column magazine with overall page dimension of 8½ x 11 inches. Our page size enables a wide variety of ad sizes from full page down to one column inch size.

Column Widths are 1 col: 2-1/4-in., 1-1/2 col: 3-1/2-in., 2 col: 4-5/8-in., 3 col: 7-1/8-in. Ad widths will be based only with the specified column widths.

DEADLINES: New advertising copy or ad changes must be in the hands of our Advertising Manager no later than the 20th of the month on the 2nd month prior to publication. We cannot guarantee insertion of ads after deadline, although every effort will be made to accomodate.

ADVERTISING DEADLINES

FEB. Issue–Dec. 20	MAY Issue–Mar. 20
AUG. Issue–June 20	NOV Issue–Sep. 20

Advertising copy MUST be mailed to: REPEATER JOURNAL ADV. MANAGER, SHARON WARD, 5573 Vienna-Dozier Rd., Pfafftown, N.C. 27040.

The CVRA REPEATER JOURNAL cannot be responsible for errors in advertising, or held accountable for equipment or accessories that do not live up to the advertised claim. We are not responsible and cannot guarantee insertion of advertising received after deadline.

CVRA REPEATER JOURNAL advertising rates apply to exact size, camera ready copy. We can provide typesetting and reduce art for your ad at our cost. Composition and typesetting for full page ad approximately $25 to $28. Half page ad from $12 to $15. Reduction of artwork for ad with no type needed is $4.50. COLOR: One additional spot color, on available color pages is available for an additional $25.00 charge per ad. FULL COLOR: Is available on the Inside Front and Inside Back covers. 100-130 Line separation negatives, right reading, emulsion down are required. No extra charge for full bleed. Due to Journal width being 1/4-in wider than national magazines, the color will bleed to outer edge, with a color stripe on inner edge of page, if separations do not fill width.

The Repeater Journal layout size is very close to most National magazines. If you wish to use a page from one of the magazines, to promote your product, we can reshoot on the camera, insert your store name and customize for your particular application. Be sure to submit a clean, unwrinkled copy of the magazine page.

Contract advertising may be billed quarterly at the request of Advertiser. No volume discounts or contract discounts are available. It is the advertisers responsibility to cancel or request changes in advertising at the time he pays his bill, or before ad deadline, otherwise, advertising will be repeated until further notice.

BUSINESS CARDS, CLASSIFIED ADS AND HAMFEST advertising must be sent accompanied by full payment for insertion. Advertisers who have not paid for previously published advertising before upcoming issue deadline, cannot have any advertising inserted until account is paid in full.

REPEATER JOURNAL ADVERTISING SIZES AND RATES

Ins. Frt. or Ins. Bk. Cover (Full Color)	8-1/2″x11″	$300.00
Full Page	7-1/8″ x 9-7/8″	85.00
Full Page Bleed (any sides)	8-1/2″ x 11″	100.00
2/3 Page (Vertical)	4-5/8″ x 9-7/8″	65.00
1/2 Page (Horizontal)	7-1/8″ x 4-3/4″	48.00
1/2 Page (Vertical)	3-1/2″ x 9-7/8″	48.00
1/2 Page (Vertical 2-col)	4-5/8″ x 7-1/8″	48.00
1/3 Page (Vertical Only)	2-1/4″ x 9-7/8″	35.00
1/4 Page (Vertical Only)	3-1/2″ x 4-3/4″	28.00
1/6 Page (Vertical)	2-1/4″ x 4-3/4″	18.00
1/6 Page (Horizontal)	4-3/4″ x 2-1/4″	18.00
1/12 Page (Vertical Only)	2-1/4″ x 2-1/4″	10.00
Business Cards - Standard Size	(4 Issue Contract Only)	16.00 In Advance

Classified Ads (30 Words Maximum per ad) In Advance 3.00

Color (1 additional color plus black) An Size Ad 25.00

Sizes listed above are width by length in that order. Ads which run lengths between sizes listed above will be billed according to column inch rate at midpoint. Prices above are for exact size, camera ready positive photoprint, or pasteup. Camera work, typesetting additional. No charge for layout.

Not $300 a page, Not even $200 a page. The Repeater Journal advertising rates and circulation provide you the best dollar value of any Amateur advertising medium in the Southeast. Repeater Journal Advertising PAYS FOR ITSELF! Big circulation National Magazines are Great for results, but do the results pay for the high cost of advertising. Concentrated circulation, low rates, all give the Repeater Journal advertiser the most for his dollar. Call or Write our Advertising Manager today!

Yes! I Want to Support SERA - Sign Me UP for the Journal!

CVRA-SERA ASSOCIATE MEMBERSHIP APPLICATION

Name ______________________ Call ____________

Address ____________________ Date ____________

City _______________________ Zip ____________

Phone (___)___________ Member ARRL ( ) Yes ( ) No

Enclosed is $ ________ for ________ Year(s)

NEW ______ $6.00 Year (Maximum 2-Years) **RENEW** ______ **HOT-P** ______ $10.50-Max. 1 Year

Mail Application & Fee To:

SERA Associate Membership
Post Office Box 24292
Winston-Salem, N.C. 27114-4292

You Will Receive the Next Journal

There Is Strength In Unity!
Unite With SERA
Support YOUR Organization

If Each Of Us Gets One New Associate Member - We Can Double Our Membership. Copy This Application - Give to a Friend - Ask Them to Join SERA.

And Receive The Journal FREE!

Associate Membership - $6.00 for one Year
HOT-P Membership - $10.50 (Your Journal Mailed 1st Class)

Tennessee Tidbits

— by Tom Park, WD4KWP

This time around, I'm going to get up on my soapbox. I don't do it often, so please bear with me .

During the later part of 1986 the Directors of this association laboured through the revision of our Coordination Policy & Guidelines. This is an eight page document that states why and how we as SERA coordinators go about the endless job of trying to help keep the VHF & UHF repeater spectrum in some functional order. Most of you have had a chance to at least scan the Policy. It was published as the special yellow center section of the February '87 REPEATER JOURNAL. If you did not have the time back in February to read it completely, please take the time soon ; I need your help with a growing problem.

Several times each month, someone calls me to request another 2 meter frequency to be operated in one of the five major metro areas of this state. To make matters worse they usually want to place this new machine at the highest possible location. I'm told " It will be a wonderful machine , state -of-the-art , with all the bells & whistles. Now there is another repeater on the frequency that we've found but it is at least 105 miles away, so we KNOW that it won't be a problem. "

As most of you know, all the metro areas have many machines that run the list from low to high profile, bells & whistles or plain jane, big clubs or individual owners. All of these types of machines have their place; but we have just about run out of available pairs on 2 meters. The big problem is that when a frequency pair is in use in an area, it not only cannot be reused for at least 100 miles but also (in the 15kHz spectrum) the ADJACENT pairs cannot be coordinated for 75 miles. This is a new version of killing 2 birds with 1 stone. Thus the rural areas that are on the fringe of the metro machines are unable to have their own local machine. Often these hams's only FM gear is on 2 meters. We need to save some 2 meter pairs for their use.

The next time your group starts talking about "needing" another repeater, please think about how many machines are already operational in your area. Also how many sit idle most of the day ? If your group really would like a new challenge, then think about all that open space on 220 or 440. Disregard the stories that you have heard about short range. (20 years ago people use to say that anything above 5 meters was not worth using . Remember ?)

Four out of the five metro areas have wonderfully high hills around them that would make a great spot to install a 220 or 440 (or higher) repeater. Whatever short comings these higher bands may appear to have will be overcome by a good site and proper equipment.

Each one of the 5 areas have several established machines on the higher bands. Talk to their owners, most will be glad to tell you about how that band works in your area. Get some first hand experience - you may be surprised.

I started out by asking you to dig out the "yellow papers". When you read them you will see that what I have said is not just my own ideas but also those of the many people that are working to make the best use of the frequency spectrum for the entire ham community.

Officer Nomination Form

SERA officers are up for re-election this Winter. If you wish to nominate someone to any of the officers, see page 3 for information, and page 11 for a copy of the nomination form. A nomination committee has come up with a slate of officers who will be elected unless further nominations are received from this Journal form.

MarVista
Motel

Located on Ocean Front
Tel. 803/272-5125

605 SOUTH OCEAN BOULEVARD
OCEAN DRIVE SECTION
NORTH MYRTLE BEACH, S.C. 29582

NORTH MYRTLE BEACH
V H F AMATEUR RADIO CLUB

COMING TO THE BEACH?
FEEL FREE TO USE
OUR CLUB REPEATER
147.63 147.03
NEED INFORMATION, JUST KEY UP AND ASK!

Looking back

—by David Ward, KA4LVO

November 1977
The Repeater Journal

As we look ten years in the past, we find a 56-page Repeater Journal sporting a cover with pictures of a 2-meter repeater installation in Virginia. Inside the November 1977 Repeater Journal was a story about this repeater as well as a few other stories that readers would talk about for years.

One story dealt with the NC Emergency Co-ordinators and their purpose. Bill Parris, former Repeater Journal Editor was the North Carolina SCM, and in his article he praised the work of his EC's. A list of the NC EC's was printed on the outside back cover of this issue.

The editorials in this issue covered full membership renewals and repeater interference. The repeater renewal story mentioned that the time of the year had rolled around again for renewal support. In contrast, the interference article was quite lengthy and forceful as it dealt with what to do and what not to do in handling repeater interference. Diplomacy, tact, co-operation and courtesy were mentioned as positive methods. Phone calls, nasty letters, and on-the-air complaining aren't going to solve the problem. "When interference hits you ... try cooling it and go cautiously.... If you conduct yourself in a gentlemanly manner, your opponent will probably do so also. It's human nature ... you can't cut a man down, and then expect to negotiate with him."

Watson Gabriel's "Teknikle Topix" was guest written by K4BE, Connie Conrad of Winston-Salem, NC. The article was entitled, "Measuring Frequency Deviation of FM Transceivers the Easy Way". (If you're interested in a photocopy, just send me a note requesting one.)

As in this year, officers for the organization were being nominated and elected during this time. For the 1978-1980 term, nominees for president were K4ITL, Danny Hampton and WA4WTX, Charlie Durst. For vice president, the nominee was John Fried, W4WWD. Carl Smith, N4AA was nominated for treasurer, and Paul Marsha. K4AVU was nominated for secretary. The results of the elections should be printed in the next "Looking Back" column.

One article that people talked about for years was about a carefully planned exercise. W4PCN in Manteo (NC) and K4AIH in Murphy (NC) were to originate messages from their locations with destinations of the other station. The messages were to be passed thru VHF repeaters for their 495 mile trip. Tracking of these messages could be done on 3923. The Murphy to Manteo traffic passed thru 10 stations (9 repeaters) and took 34 minutes. The Manteo to Murphy traffic was harder to track, but it seems that 12 stations and an hour's time was required. This showed that traffic could be passed just as reliably by VHF repeaters as could be on the low-bands. Regarding statewide repeater linking, "The future of 2-meter (and 220) for Statewide relay is on the horizon ... someday it will be common occurrence."

In other items, the hamfest calendar for 1978 as printed listed 8 hamfests. There were eight classified ads, fifteen advertisers, and 28 business cards complementing the stories. The "Electro Commandments", a tongue-in-cheek religiously worded list of electronical don'ts was printed on page 56.

Finally, from page 11, there were three definitions of a committee. "A) A collection of the unfit chosen from the unwilling by the incompetent to do the unnecessary. B) A group of people who, individually, can do nothing, but collectively can meet and decide that nothing can be done. C) A group which succeeds in getting something done when, and only when, it consists of three members, one of whom happens to be sick and another absent."

Merry Christmas! Happy Holidays!

from Mark and David

your friends at

COMMUNICATIONS EQUIPMENT OUTLET

408A S. LAFAYETTE ST.
SHELBY, N.C. 28150
(704) 482-1100

Your New Amateur Source for: • ICOM • YAESU • MFJ • LARSEN

Come see us - or call for your Amateur Equipment needs!

Financial Report

—by Ray Adams, N4BAQ

SERA Treasurer

SouthEastern Repeater Association, Inc.

FINANCIAL REPORT AS OF SEPTEMBER 30, 1983, 1984, 1985, 1986, and 1987

REVENUE	1983	1984	1985	1986	1987
Advertising	$ 4,951.75	$ 5,127.50	$ 5,222.35	$ 5,827.75	$ 3,671.50
Associate Membership Dues	7,890.00	7,408.25	8,791.63	9,548.00	8,983.00
Full Membership Dues	1,941.00	1,450.00	2,516.50	2,488.75	2,789.50
Decals	-0-	-0-	224.50	63.50	16.00
Postage - includes HOT-P	-0-	-0-	87.00	205.50	202.50
Interest	-0-	-0-	24.29	190.66	306.31
Hats	-0-	-0-	101.50	123.37	33.00
Contributions	-0-	-0-	-0-	182.00	102.00
Other	16.25	49.75	23.00	83.64	14.00
TOTAL REVENUE	$14,799.00	$14,035.50	$16,990.77	$18,713.17	$16,117.81
EXPENSES					
Journal Mailing	$ 1,817.98	$ 1,856.65	$ 1,588.25	$ 2,509.74	$ 1,930.57
Journal Printing	10,833.61	11,028.31	11,436.56	9,427.53	12,273.44
Miscellaneous Expenses	-0-	2.35	578.78	-0-	69.95
Director's Meetings	600.51	534.19	768.68	1,428.90	2,051.22
Office Expenses	106.49	21.25	234.30	31.35	171.10
Amortization of Office Machines	448.00	448.00	448.00	448.00	875.63
Postage other than journal	204.74	101.86	419.00	321.44	336.48
Printing other than journal	995.69	242.17	987.99	168.32	571.62
Telephone	351.46	241.24	275.47	465.62	349.67
TOTAL EXPENSES	$15,358.48	$14,476.02	$16,737.03	$14,800.90	$18,629.68
REVENUE OVER (UNDER) EXPENSES	($ 559.48)	($ 440.52)	$ 253.74	$ 3,912.27	($ 2,511.87)
Balances, beginning of year					
Expenses Advanced	$ 700.00	$ 800.00	$ 900.00	$ 950.00	$ 900.00
Cash in Bank	1,135.60	2,507.39	1,413.04	2,107.05	5,690.15
Invested in Office Machines	2,240.00	1,792.00	1,344.00	896.00	2,571.63
	$ 4,075.60	$ 5,099.39	$ 3,657.04	$ 3,953.05	$ 9,161.78
EQUITY TO ACCOUNT FOR	$ 3,516.12	$ 4,658.87	$ 3,910.78	$ 7,865.32	$ 6,649.91
Less: Expenses Advanced	$ 800.00	$ 900.00	$ 900.00	$ 900.00	$ 900.00
Invested in Office Machines	1,792.00	1,344.00	896.00	448.00	1,696.00
	$ 2,592.00	$ 2,244.00	$ 1,796.00	$ 1,348.00	$ 2,596.00
CASH IN BANK	$ 924.12	$ 2,414.87	$ 2,114.78	$ 6,517.32	$ 4,053.91

Technical

Emergency Autodial Improvement For The Micro Control Mark 4CR Repeater

— by David L. Shiplett, WL4ACY

I'm sure that some of you repeater owners/control operators out there have pulled your hair out over the explanation in the Micro Control Specialties Mark 4CR manual concerning use of the autodial functions as referenced on pages 2-4, and 3-20. Using the quick access for up to 12 emergency numbers is quite beneficial to any amateur radio operation but the way it is set up on the Mark 4CR can be confusing!

The Central Georgia Amateur Radio Club was faced with the need for about 15 emergency numbers, the Mark 4CR only provides 12 starting with the 8XX series. A word of caution here, it is implied that they start at 800 but that is not so! The numbers start at 810 and if you have ever went through the drill of programming 800 through 812 you can understand how clear the manual is. Also MultiFax/MicroFax voice paging is not possible with the 8XX series using 3.3 software.

We had already programmed our club roster into the 500 and 700 series when it was discovered that upon accessing a call in the 8XX block that the call would go right through without any announcment as to who the call was going to. If you hit the wrong digit trying to call the police you may end up with the fire department. Well there must be a better way and I am sure future upgrades will fix that one, but we came up with a unique way of solving the problem and also allowed more numbers than the original 12.

First we blocked off the first 20 numbers of the 600 series and used them for our emergency services. Next we programmed as the callsign a unique alpha sequence that is announced when an autodial is initiated. For example to call the Warner Robins police department you would enter 600, the repeater responds with "autodial called for W R P D W R". All of our users have now become accustomed to listening for the unique alpha sequences after initiating a call to the emergency service so that they get the service they need.

Hopefully this will give some of you another way out, that is until 3.X catches up with this one. Another alternative would be to use a message master voice track for the announcement as to who is being called but that would use valuable memory and again would require another weapon.

Full Membership Renewals Due by January 1, 1988

Renewal time for repeater owners and trustees is here again. Full Membership dues for 1988 will remain $15.00, with all memberships beginning January 1, and expiring December 31, 1988.

A Full Membership in SERA entitles two persons who are named on the application to be representatives to SERA in times a vote is needed. Full Members may also hold elective and appointive offices. Both receive the Repeater Journal, and the repeater(s) will be listed with a Star (*) in the Journal official repeater index, as Full Member repeaters.

No Applications Will Be Mailed

Owners wishing to renew for 1988 must use the Full Membership application printed elsewhere in this issue of the Journal. NO APPLICATIONS WILL BE MAILED.

Please fill out the entire application and note ANY CHANGES to your system since last year. It is essential that your Director has as much information on your repeater(s) as possible. Documentation is vital in coordination and operation of repeaters today.

We urge you to get the application and fill it out now, before you forget. If you have a friend who operates a repeater, and was NOT a member last year, give him a copy of the application and urge him to mail it in.

We wonder if North Carolina will top every other State again this year in total and percentage of Full Membership.

THE WIREMAN

FOR ALL AMATEUR WIRE & CABLE
BELDEN and Equivalent, Copperweld

1-800-433-WIRE

Hardline • Custom Cables • Dipole Kits
Connectors • Boots • Sealers
Magnet Wire • Ground Radials

• LARSEN ANTENNAS • AMIDON
• UNADILLA - CB to 10 & 12

1-800-433-9473

VISA ★ MASTERCARD ★ COD ★ CASH
(803) 895-4195 (SC and Ragchew)

Certified Quality from
CERTIFIED COMMUNICATIONS
PITTMAN RD. ROUTE 2, LANDRUM, S.C. 29356

DO NOT WRITE ABOVE THIS LINE

SouthEastern Repeater Association, Inc.

FULL REPEATER MEMBERSHIP APPLICATION FOR YEAR ____________

City/Mtn (Max 14 Char)	Callsign	Input Freq.	Output Freq.	
				No. 1
				No. 2
				No. 3
				No. 4

Name two Full Member Representatives to CVRA-SERA (ONLY These Two Persons Receive A Journal)

Name ____________ Call ________	Name ____________ Call ________
Address ____________	Address ____________
City ________ State ______ Zip ______	City ________ State ______ Zip ______
Phone: ( ) ____________	Phone: ( ) ____________
ARRL Member ( ) Yes ( ) No	ARRL Member ( ) Yes ( ) No

Membership: New______ Renewal______ Fee Enclosed ( ) Yes ( ) No Amount:__________

Repeater Sponsor ____________________ Date __________

Please fill in all portions of this form. Highlight any changes from last year.

Date Rptr. Placed in Service: Experimentally __________ Reg. Svc. __________

Was your Frequency Coordinated ( ) Yes ( ) No Date Coordinated this loc __________

Coordinator's Name __________ (If Not Coord) Pls. Explain __________

ACTUAL REPEATER LOCATION: (Mtn./City)____________________

Longitude ______ Degs. ______ Mins. ______ secs. Latitude ______ Degs. ______ Mins. ______ Secs.

Repeater Coverage: (Cities & Counties)

BASE: ____________________

MOBILE: ____________________

Transmitter __________ Receiver __________ Duplexer __________

Antenna __________ Duplexed: ( ) Yes ( ) No Split Site: ( ) Yes ( ) No

Split Site Linkage type __________ (If Radio, Frequency used) __________

Linked with any other repeaters: ( ) Yes ( ) No Linking Freq. __________

Name (if any) other repeaters linked____________________

ANTENNA: Height above MSL __________ Height AAT __________ Power (ERP) ______

REPEATER: Open____ Closed____ AUTOPATCH: Open (A)______ Private (PA)______ Emerg. (EA)______

If closed, Access is: Tone Burst________ Hz, Touchtone________ Buttons

Repeater I.D. is: CW______ Voice______ Rptr. control via: __________

Other information____________________

Repeater Membership Fees:
All Memberships Expire Dec. 31

$15.00 annually - Payable Jan. 1
$12.00 after April 1
$8.00 after July 1
$6.00 after October 1

Mail Application & Check To:

SERA REPEATER MEMBERSHIP
POST OFFICE BOX 24292
WINSTON-SALEM, N.C. 27114-4292

Thank you!

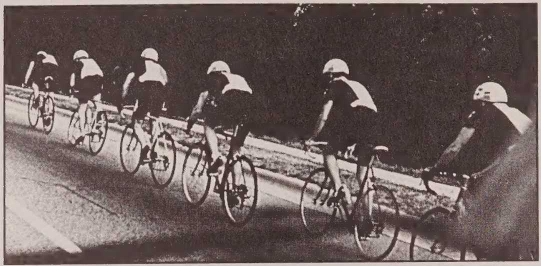
Sweepstakes January 23-25

The annual ARRL VHF Sweepstakes will be held January 23-25, 1988. This is the chance for VHF enthusiasts to get on the air and work as many other VHF/UHFers as they can over the contest weekend.

You need not be a big gun to work the contest. If you get on FM simplex on 2-meters and 220 mhz. you should be able to work quite a few locals who are doing it "for the fun of it". You will also be able to make some long range contact with the big guns who are seriously working for high points.

With you getting on, even on FM, you're providing more activity for the serious minded contesters, and you're also creating activity for your local fellow hams to "play with".

Lets everyone get on -- mobile or base on FM for the VHF Sweepstakes in January and help give a few points to the contesters. Maybe some inter-club contesting can be done among your group. The more that gets on -- the merrier. Just a few hours scattered throughout the weekend, will drastically increase activity on FM.



Six cyclists arrive on the outskirts of Raleigh, N.C. during "Carolina Bike Quest '87", hosted by the United Way of Greater High Point. Working for the United Way, cyclists rode across the State of North Carolina, with communications provided by Amateur Radio operators from High Point club.

Let's put life back into FM for the contests. Tell the clubs you know who are going to the mountaintops, that you'll be looking for them on FM, ready to give them some points.

Complete rules will appear in December QST. Club competition rules will appear in January QST.

Full Membership Renewal Due Dec. 31

Full Repeater members are reminded that their 1987 SERA membership expires on December 31. The Journal has printed the Full Membership application on Page 39 of this issue, to enable members to renew as soon as they can.

Repeater owners are reminded to fill out the form completely and accurately, to be sure your coordinator has full information about your operating system. Any changes from your application last year, should be circled or highlighted, so the coordinator can quickly pick out any changes you have made to the system.

Deadline for 1988 Full Memberships, to be reflected in the February Journal is January 15, 1988.

Docket 87-14 Still Hovering

The 220 mhz. docket in which the FCC proposes taking the frequency band of 220 to 222 mhz. from the Amateurs and placing it in the Land Mobile Service is still pending. At the present time, the Commission is analyzing the comments, which fill some 21 volumes each 4 inches thick.

The Commission hopes to resolve the docket and the status of the 20 mhz band once and for all time by the end of 1987, or early 1988.

JOIN ARRL

BENEFITS FOR YOU: QST, QSL Bureau, Awards (DXCC, WAS, etc.), Low Cost Insurance, Operating Aids, Government Liaison and more—Much more! For You!

USE THIS COUPON OR A FACSIMILE AND MAIL TODAY.

MEMBERSHIP APPLICATION

Name ______________________ Call ________
Street ______________________
City __________ Prov./State __________ PC/Zip ________

Mail this Application to:
GAY E. MILIUS, JR. W4UG
DIRECTOR, ROANOKE DIV.
1416 RUTLAND DRIVE
VIRGINIA BEACH, VA. 23454

$25 in U.S. $33 elsewhere (U.S. funds) Licensed amateurs, or age 65 or over, upon submitting proof of age, may request the special dues rate of $20 in the U.S. $28 elsewhere, in U.S. funds) Persons age 17 and younger may qualify for special rates, write for application.
For postal purposes, fifty percent of dues is allocated to QST, the balance for membership.

VISA ______________________ Expires ________
______________ Bank. No. ________ Expires ________

MOST FULLY EQUIPPED AMATEUR RADIO CENTER UNDER ONE ROOF

10 miles west of Washington, D.C.

EEB

Electronic Equipment Bank
516 Mill Street, N.E.
Vienna, VA 22180
703-938-3350

EEB has four showrooms devoted entirely to the finest names in amateur radio and shortwave listening.

ICOM
YAESU
KENWOOD
HENRY
SANTEC
SONY
PANASONIC
DAIWA
JIL
MARANTZ
VOCOM
TOKYO HY-POWER
WELZ
MIRAGE
KANTRONICS
HAL
PALOMAR
AEA
INFO-TECH
MFJ
BENCHER
VIBROPLEX
and many more . . .

ORDERS ONLY PLEASE

800-368-3270

ANTENNA BANK

Antenna Bank
516 Mill Street, N.E.
Vienna, VA 22180
703-938-3818

The finest names in antenna systems and hardware are stocked in our warehouse and new showroom.

ROHN
TELEX
HY-GAIN
CUSHCRAFT
HUSTLER
LARSEN
VALOR
ALLIANCE
SOUTH RIVER
COLUMBIA/CAROL
SAXTON
UNADILLA-REYCO
VAN GORDON
ANTENNA SPECIALISTS
WEST PENN
KLM
TET
B & W
MOSELY
AMPHENOL
PHILLYSTRAN
MINI-PRODUCTS
and many more . . .

ORDERS ONLY PLEASE

800-336-8473

✤ WE ARE HERE TO SERVE YOU ✤

Prices subject to change without notice.

Shipping charges not included.

Allow 2 weeks for delivery.

10-5 Tues., Wed., Fri.
10-9 Thursday
10-4 Saturday
Closed Sunday and Monday

Sorry, no CODs.

Personal check may delay shipment.

We ship worldwide.

VISA

MasterCard

REPEATER-CLUB-NET SERVICE PAGE

THE APPALACHIAN REPEATER ASSOCIATION

146.955
ONEIDA
PEAK/BLFD.
KD8MZ

147.03
HERNDON MT.
KC8IT

145.31
LAYLAND/MANN MT.
N88ZS

145.17
BOLT MT.
N8DKL

444.625
BLUEFIELD VA.
N8GVJ

146.625
HUFF KNOB/FLT TOP
N88ZS

444.0
HERNDON MT.
N8CYH

145.01
BLUEFIELD A
WB4BBF-1

444.8
LICK KNOB
N8FRV

YOUR HOME TOWN REPEATERS

DEALERS, BUSINESSMEN

YOUR MESSAGE HERE
$16.00 A YEAR PREPAID

(4-Issue Contract)
WRITE OUR SALES MANAGER
(1-Year-$16.00 Minimum Contract)

PATRONIZE OUR ADVERTISERS IN THE REPEATER JOURNAL

KC4DY
JOHN
ELKIN, NC

$4.50
Ppd.

2"

3"

EDITH H. HUFF
4550-A OLD TOWN DR. 725-3315
WINSTON-SALEM, N.C. 27106

Edith's Etchings, Etc.

MFGRS. CUSTOM MADE SIGNS & NAME PLATES - ENGRAVED OR 3-D
BUSINESS AND WEDDING STATIONERY - HOT STAMPING

20 YEARS EXPERIENCE

OPEN EVENINGS
BY APPOINTMENT

THE SERA NEWS NET
Wednesdays at 8:30 PM

On Many Repeaters in 6 States

LOOK FOR US!

WORLDWIDE DISTRIBUTION

HAM RADIO OUTLET

Neil R. Foster
Manager
KC4MJ

6071 Buford Hwy.
Atlanta, GA 30340
(Doraville)
(404) 263-0700
(800) 854-6046

ANAHEIM ATLANTA BURLINGAME OAKLAND
PHOENIX SAN DIEGO VAN NUYS

Professional Products, Inc.

WA4SFL
Doug Mayo
Technical Operations Manager

1031 Technology Park Drive
Richmond, Virginia 23060-4555
Telephone (804) 264-4666

Welcome to
W4LPL/*REPEATER*
"The Red Carpet Repeater"
Fayetteville, North Carolina
147.93/33
Proudly Serving our Community
and the best darn Hams in the world

The Amateur News and Information

NET

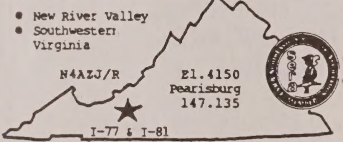
Mondays. . . . . 9:00 p.m.

145.11 **REPEATER**
RICHMOND, VA

K4OJE N4EXQ OTHERS
Club, ARRL, ARES, DX, FCC Information

WELCOME TO DISMAL PEAK!

- New River Valley
- Southwestern Virginia



Dismal Peak Repeater Society
412 Ridgeway Drive Bluefield, VA 24605

Olde Towne Properties
of Va., Inc.

REALTOR
MLS

DINA MAYO
Realtor
KA4NYB

1125 Hanover Green Drive
Mechanicsville, Virginia 23111

Bus. (804) 746-1040
Res. (804) 227-3422

Serving Eastern North Carolina
From the Capital
To The Coast

147.09 145.35

Repeaters
Greenville, N.C.

444.650
RICHMOND

444.850
PETERSBURG

147.39 REPEATER
PETERSBURG, VA

The K4ARO Repeaters
Covering Central and Southside Va.

RICHMOND
K4ARO, K4OJE, N4EHJ

PETERSBURG
K4ARO

Welcome to
N8FHE REPEATER SYSTEM

Serving Buckhannon, WV
and surrounding areas
Use these repeaters without obligation
145.13 443.10 145.41 - Open phone patch
146.655 - N8HON/R SPRUCE KNOB, WV

Rock 92

WKRR Radio

Tim Berry
Chief Engineer
919/274-8042

WB4GBI/R

145.15

P.O. Box 36070 Greensboro, N.C. 27416-6070

"BE A PART OF IT"

The *W4CA* 2 Meter Phone Net

SPECIAL SERVICE CLUB

ROANOKE VALLEY AMATEUR RADIO CLUB

Wednesdays . . . . 8:00 P.M.
146.385 — 146.985 Repeater
Roanoke, Virginia
W4OLD/Dick — Net Manager
CLUB MEETINGS: 2nd & 4th Fridays

CLUBS, REPEATER OWNERS, NET MANAGERS PROMOTE YOUR ACTIVITIES ON THIS PAGE. — 4 Issues
$16.00 A YEAR - PREPAID
WRITE OUR SALES MANAGER
(1-Year-$16.00 Minimum Contract)

147.135 N4HB/R

RICHMOND, VA

The N4HB Repeater
Covering Central Virginia
N4HB — WA4VXR — WB4BVY — WA4SSG

146.970 444.950

VIRGINIA BEACH, VA

WA4KXV REPEATERS

VIRGINIA BEACH EMERGENCY
AMATEUR REPEATER SOCIETY

146.895 145.010

MECKLENBURG AMATEUR RADIO SOCIETY, INC.

CHARLOTTE, N.C.

144.63/145.23
144.69/145.29*
146.34/146.94*
449.60/444.60
146.175/146.775 RTTY
145.01 W4BFB-1 PACKET
* Open Autopatch

W4BFB

VOLUNTEER EXAMINATIONS IN WESTERN VIRGINIA

WALKIN 9AM, 2ND SATURDAY

JAN & JUL:	Grundy, VA
FEB, MAY, AUG, NOV:	Bluefield, WV
MAR, JUN, SEP, DEC:	Richlands, VA
APR & OCT:	Clintwood, VA

For info: 703 326-2411 W5YI-VEC

TOKYO HY-POWER AMPLIFIERS

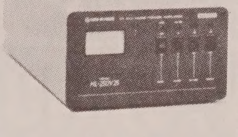
Tokyo Hy-Power NEW! HL-37V All Mode AMP For Handi-talkies!

Only $87^{95}

Add $1.50 UPS shipping

Compact 2-meter amplifier, designed for talk power from your handheld. 1/2-watt delivers approximately 15-watts. 1 to 5 watts in, delivers a full 35-watts out. All mode, has variable sensitivity GaAsFet preamp, light bar output meter, and mobile bracket. Amp and preamp on/off switches. Today's BEST $$ value in a handheld amplifier.

NOW! 250 WATTS on 2-METERS HL-250V/25



SPECIAL!!! Only

$389^{95}

Need a "B-I-G" signal on 2-meters. The HL-250V will fill the bill. 25-watts in drives this magnificent brute to a sizzling 250-watts output whether SSB, CW or FM. Has built-in GaAsFet Preamp, accurate Watt meter, Lo-Hi output switch, mode switched, On/off switch for amp and preamp. The HL-250V is only for the SERIOUS 2-meter DXer. Draws approximately 41 amps at full power output. Fan cooled!

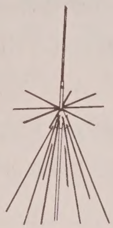
2-METERS - GaAsFet Preamps - All Mode!

HL-85V 10-15W-in 80+W Out	$189.95
HL-110V 1-5/10-15W In 100+W Out	$259.95
HL-180V 1-5/10/15/25-30W In 180W Out	$299.95
HL-160V/25A 25-30W In 160+W Out	$239.95

440 MHZ - GaAsFet Preamps-All Mode!

HL-30U 2-5W in 30W Out	$159.95
HL-60U 10-15W in 60W Out	$189.95
HL-120U 10-15W in 100+W Out	$359.95
HL-250U 10-15/25-30W in 250W Out	$669.95

HRA-2 Pole Mt. GaAsFet Preamp 2-M	$129.95
HRA-7 Pole Mt. GaAsFet Preamp 440 Mhz.	$129.95



D-130 DISCONE ANTENNA

Only $69.95

The Diamond D-130 Discone is a 25 to 1300 mhz Super Discone Antenna. Transmit on 50, 144, 1200 mhz, maximum 200-watts and receive 25-1300 mhz with the one antenna. All stainless steel construction. Super for general coverage receivers, and all band transmitters. Approximately 6-feet long overall.

NO CREDIT CARDS.
Add $1.50 UPS

220 MHZ is HOT! We got Accessories!

HL-22V Handheld Amplifier Makes a "brute" out of your H/T

Only $89^{95}

Turn your tiny 1-watt into a "brute" with the HL-22V. 1 to 5 watts input delivers a full 25-watt out. FM Only. Has GaAsFet preamp, mobile bracket.

100 Watts on 220 Tokyo Hy-Power HL-102V

Limited Qty. at $239^{95}

Take your old 10-watt crystal 220 rig, or your new 25-watt synthesized 220 rig and give it 100-watts talk power with the HL-102V. Has GaAsFet preamp. Lo/Hi power output switched. All Mode. It just doesn't get any better than this!

LARSEN 5/8 Mobile Antenna for 220 mhz.

Magnet, Truck Lip or Gutter clip mt.
Complete antenna only $41.95
Permanent mount for only $37.95
"L" Bracket mount only $39.95

Antennas For the 220Mhz. Handheld!

5/8 Vocom collapsible	15.95
1/2-wave AEA Hotrod	16.95
Larsen Helical 1/4-wave	18.00

Increase the talk power efficiency of your handheld on 220 mhz with any of these portable antennas.

For the 220 mhz Base
AEA Isopole base antenna
Only $45.00

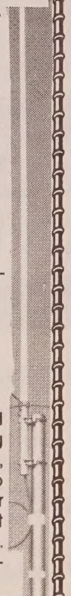
AEA • PACKET

PK-232 (All Mode)	$289.95
PK-87 (TNC)	$169.95
PM-1 (Univ. HF Modem)	$159.95
PC Pakratt (PC "KISS")	$24.95
PK-232 Tech. Manual	$20.00

KENPRO ROTORS

All Sizes from 4 to 27 Sq. Ft. Wind Load

DUAL BAND DX-200 BASE ANTENNA



Only $105^{95}

The New Diamond DX-200 Dual Band base antenna, capable of handling 200-watts, consists of stacked 5/8s, "C" loaded for UHF & VHF. Gain: 4.5 db VHF, 7.2 db, UHF. Works great on your station dual band radio, or excellent for 2M/440 Remote Base operation. White Fiberglass, approximately 6-feet long.

The Nation's Premier KDK & Santec Dealer!

WILLIAMS RADIO SALES

600 LAKEDALE ROAD, DEPT. R
COLFAX, N.C. 27235

For Orders ONLY - Call Toll Free
1-800-523-0347
NC Call (919) 993-5881
NOON to 10:00 PM EST

RICHMOND AMATEUR TELECOMMUNICATIONS SOCIETY

PROUDLY ANNOUNCES THE ELEVENTH ANNUAL

RICHMOND FROSTFEST

SUNDAY, JANUARY 17, 1988

Virginia State Fairgrounds, Laburnum Avenue, Richmond, Virginia

Hours: 8:30 A.M.-3:30 P.M.

GENERAL ADMISSION	(ADVANCE TICKETS - $4.00) (Children under 12 free with adult)	(AT THE DOOR)	$5.00
FLEA MARKET SPACES	(With 8' Table)		$8.00

FLEA MARKET EXHIBITORS MUST PURCHASE GENERAL ADMISSION TICKETS

★ PRE-REGISTRATION PRIZE ★

AMP SUPPLY AT-1200-A ANTENNA TUNER, 700 WATT PEP OUTPUT WITH SWR BRIDGE

★ **DRAWING AT 10:00 A.M.** ★

★ CONCESSIONS ★ ★ HOURLY PRIZES ★ ★ LOUNGE AREA ★

ARRL/VEC Amateur Exams on Saturday, January 16, 1988 at the J. Sargeant Reynolds Community College, 1651 East Parham Road, Richmond, Va. Send photocopy of present license plus completed FCC form 610 with check for current exam fee payable to ARRL/VEC by January 4, 1988 to Ron Bolton, WU4G, Route 4, Box 455, Glen Allen, Va., 23060. Be sure to bring your present license with you. Please send S.A.S.E. for confirmation. **NO WALK-INS ACCEPTED**

★ ACRES OF FREE PAVED PARKING ★ TALK-IN ON 146.88-145.43 ★ HANDICAPPED PARKING ON REQUEST ★

GENERAL INFORMATION

★ 60,000 sq. ft. building with electrical outlets available, well lighted and heated. Limited drive in for unloading and loading.

★ Many, many commercial radio and computer dealers. Also very large number of non-commercial exhibitors with radio and computer items. Home handicrafts.

★ Deadline for all reserved spaces is December 31, 1987. No space reservations after that date. Any unsold spaces will be available on day of Hamfest.

★ Pre-registration tickets are $4.00 each, $5.00 at the door. Monies for tickets and reserved spaces must be received no later than December 31, 1987.

★ Building available for set-up from 2:00 p.m. until 10:00 p.m. on Saturday the 16th. Will re-open at 6:00 a.m. Sunday for set-up. Vehicles must vacate building by 8:15 a.m. Sunday. Armed security at all times.

★ Entire show inside - no outside facilities available.

★ Door prizes of major brand radio equipment and accessories will be awarded at 3:30 p.m. Also hourly prizes beginning at 10:00 a.m. for those present. You do not have to be present for the major prizes.

★ Pre-registration form available - For additional information, please contact Mark Huff - WA4DHY at (804) 273-9469 (After 7 p.m. evenings)

★ RV Overnight parking available - no hook-ups.

1988 RICHMOND FROSTFEST

SUNDAY, JANUARY 17, 1988

Winter Amateur Radio and Computer Show

OFFICIAL PRE-REGISTRATION FORM

SPECIAL PRE-REGISTRATION PRIZE — AMP SUPPLY AT-1200-A ANTENNA TUNER, 700 WATT OUTPUT WITH SWR

MAIL TO:
MARK W. HUFF, WA4DHY
5005 MEREDITH WOODS ROAD
GLEN ALLEN, VIRGINIA 23060

PLEASE INCLUDE SASE WITH YOUR ORDER.
MONIES MUST BE RECEIVED BY DECEMBER 31, 1987
MAKE CHECK PAYABLE TO RICHMOND FROSTFEST.

NUMBER

______ ADVANCE ADMISSION TICKETS $4.00 EACH ($5.00 AT DOOR) $______

COMMERCIAL DEALERS

______ FIRST TABLE $15.00 - ADDITIONAL TABLES $10.00 EACH $______

(BACK DROPS AND DIVIDERS PROVIDED)

______ EXHIBITORS BADGES (MAXIMUM OF 3) (NO CHARGE) $______

NON-COMMERCIAL & FLEA MARKET EXHIBITORS

______ TABLES ($8.00 EACH) $______

(NON-COMMERCIAL & FLEA MARKET EXHIBITORS MUST PURCHASE TICKET)

TOTAL — ENCLOSED IS MY CHECK FOR $ ______

(NO CHAIRS AVAILABLE - BRING YOUR OWN)

NAME______ CALL SIGN ______

BUSINESS NAME ______

ADDRESS ______ CITY/STATE ______ ZIP______

TELEPHONE ______

You can get dizzy just thinking about it. This is a view from atop the tower housing the WZ4DAN 224.84 repeater. Note the photographers safety belt at mid-right. The Eastern North Carolina 220 repeater provides very wide coverage for the area. The repeater antenna is in the center of the picture.

Appalachian Repeaters

Continued From Page 9

Wacom duplexer, 7/8 inch hard line and a Phelps Dodge Super Station Master antenna. The 147.03 machine has rarely been off the air. It has almost complete coverage of Mercer, McDowell, and Wyoming counties. The 147.03 also has a 10-meter FM remote base which allows contacts all over the world providing that the 10-meter band is up. It's a great thrill to work into Europe on your HT. Time Ford KC8IT is the custodian of this machine and you can be sure he keeps it clean.

The 146.625 N8BZS repeater of Flat Top Mt. has changed locations three times, but has now found a home. The 146.625 machine was a Motorola Sensecom, then it was changed to a GE Master Pro and now is a Motorola Micor (we love those Micors). This repeater is owned by Gary, N8BZS and will possibly be linked into the system at a later date. This Micor has Wacom duplexer, 7/8 inch hard line and a Phelps Dodge Station Master antenna. The 146.625 will fill in a lot of gaps south of Beckley.

The N8FRV repeater on Lick Knob near Kingston, WV owned by Gary, N8BZS and Dale, N8FRV, has served the northern Beckley an Kanawha Valley areas ever since it was aired at this site. It was once the backbone for the 145.17 and 145.31 link a few years ago. The repeater is also a Micor with Motorola duplexer, 7/8 inch hard line and a Phelps Dodge Super Station Master antenna. If you have 70 cm capabilities and are in the area, feel free to use this machine or any of the other 440 machines.

The new KD8MZ 444.625 repeater will probably be located on East River Mt. near Bluefield, VA in the future. This repeater is a Motorola Motrac with Motorola duplexer, 1/2 inch hard line an a Phelps Dodge Super Station Master antenna. It should cover the two Bluefields (WV and VA) very well and also allow autopatch capabilities on 70 cm for this area.

Last, but not least, is the WB4BBF-1 digipeater in Bluefield, VA. This repeater is the most used digipeater in the area. It provides a link between the south and north or vice-versa (you know how packet is). This machine consists of a standard 890L transceiver with Kantronics packet communicator, Triplet power supply, 1/2 inch hard line, RF technology band pass cavity and an Isopole antenna. The digipeater was built by Randle Hash, WB4BBF and is owned by Randle, Ira Hill, KE8AO, and Nelson, KD8MZ. Randle also has plans for a WB4BBF-2 to be located on Oneida Peak in the future.

Officers in the two divisions of the ARA: NORTHERN DIVISION: President - Gary Holt, N8BZS; Vice-President - Dale Warrick, N8FRV; and Secretary/Treasurer - Alex Hedrick, N8FWL. SOUTHERN DIVISION; President - Nelson J. Linkous, II, KD8MZ; Vice-President - Tim Ford, KC8IT; Secretary - Dianna Linkous, N8GVJ; and Treasurer - Jerry Caldwell, KA8EZV.

This is the Appalachian Repeater Association. This is what it consists of and what we are trying to accomplish. The linking system can be used for emergencies, nets for just plain "hamming". Any contributions to this organization would be appreciated as all of the past contributions have been. If you are in the area of one of our machines, feel free to use them. Also, if you have a reason to use the linking system, just contact a control operator and you'll be in business. A "feel free" atmosphere is what we're trying to produce and with your help we will do so.

And finally, we would like to remind you about the ARA traffic net on Tuesday nights at 8:00 p.m. and on the first Tuesday of the month, the ARA traders net will immediately follow the traffic net. You will probably be able to catch these two nets and the SERA News net (Wednesdays) on any of three of the ARA repeaters: 146.955 KD8MZ, 145.17 N8DKL, and 145.31 N8BZS. If you are free, check in on one of the machines

Coming In February Annual Repeater Growth

Which bands are growing the fastest? How many new repeaters have come on, and how many have gone off in your State?

These questions will be answered in the February issue of the Repeater Journal. We will move to our data bank of repeaters, re-count, and compare how repeater numbers look compared to the previous year.

With the Novice privileges on 220 Mhz., yet the band still tied up with the FCC, it will be interesting to see how that band has fared in 1987. How many clubs have put up 220 Mhz. repeaters to enable their new Novice members to talk? How many have linked the 2-meter and 220 systems together to allow ALL club members to communicate with each other on the air? We'll try to answer many of those questions next issue.

CVRA Dropped From Name

From the early days of CVRA then CVRA-SERA, now it's just SERA. The Board of Directors of the Southeastern Repeater Association, voted to drop the letters CVRA from the official name of the organization.

When the organization changed its name from Carolinas-Virginia Repeater Assn., to Southeastern Repeater Assn., in 1981, the letters CVRA were retained to help in the smooth transition of the name change. The time has come, the Directors agreed that SERA is known well enough to eliminate the letters CVRA. They are gone, but not forgotten.

1988 Hamfest Calendar

The Journal is publishing the 1988 Hamfest schedule this issue on page 48. Most dates however, are tentative, based on last year's dates. If your group conducts, or plans to conduct a hamfest in 1988, and the actual date is set, please see that the Journal editor (name and address on page 1) is notified in writing, so we can get your confirmed date in the February Journal. An asterisk beside the date in the calendar, indicates the show is based on the date it was held in 1987. When we get confirmed dates, the listing is corrected.

The Journal publishes this list of hamfest dates and shows as a public service, and cannot be held responsible for incorrect dates, or unconfirmed dates, however, we do our best to see that all confirmed dates are accurately published.

Technical Articles Needed

WIN FREE! 3 MONTHS MEMBERSHIP

Give a friend a SERA
Associate Membership
and we'll give you 3 months
associate membership free!

PLUS

We'll mail you a beautiful full color 1988 SERA Calendar

AND

Send your friend a card acknowledging your gift to them.

So Hurry! Get your Gift Membership in Today - Calendar Supplies are Limited!

Support SERA by giving an associate membership to a friend for Christmas. Only $6.00 for one year. They will receive the Repeater Journal.

Rules: For each membership given, the giver will receive 3 months associate membership. If the giver is a member, it will be added to his/her existing membership. For each gift subscription, include their name, call and complete mailing address. Mail this and $6.00 per membership to: SERA Christmas Gift Memberships, PO Box 24292, Winston-Salem, NC 27114-4292. Only one calendar per giver can be sent. Offer expires December 31, 1987.

SOUTHEASTERN REPEATER ASSOCIATION · CVRA · sera · MEMBER

Name ____________________ Call ____________

Address ____________________ Date ____________

City ____________________ Zip ____________

Phone (____)____________ Member ARRL ( ) Yes ( ) No

WHERE TO BUY DIRECTORY

Advanced Computer Controls (ACC) (CA) ... 16-17
ARRL (Roanoke Division) ... 40
Business Card/Net Service Page ... 42
Certified Communications (SC) ... 38
Charlotte Hamfest/Computerfair (NC) ... 10
Communications Equipment Outlet (CEO) (NC) ... 37
Computer Trader Magazine (CTM) (AL) ... 30
CQ Magazine (NY) ... 14
Dynamic Engravers (NC) ... 33
Electronic Equipment Bank (EEB) (VA) ... 41
F & M Electronics (NC) ... 19
Greensboro Hamfest (NC) ... 4-5
H.L. Heaster (WV) ... 12
MarVista Motel (SC) ... 36
Mercury Engraving (TN) ... 6
Points South Electronics (FL) ... 8
Repeater Journal Advertising Rates ... 35
Richmond Frostfest (VA) ... 44-45
West Antenna Service (NC) ... 32
Williams Radio Sales (NC) ... Ins. Ft. Cover, 15, 31, 34, 43
YAESU USA (CA) ... Ins. Bk. Cover

Coming Events

SERA REPEATER JOURNAL CALENDAR OF EVENTS

NOVEMBER 1987

1	Hamfest, CONCORD, NC
14	Swapfest, SUMTER, SC
14-15	Central Alabama Hamfest, MONTGOMERY, AL
20-22	Suncoast Convention, ST. PETERSBURG, FL
21-22	Hamfest, GREENSBORO, NC
21-22	Hamfest, W. PALM BEACH, FL

1988 Calendar of Events

JANUARY 1988

17	Frostfest, RICHMOND, VA
23-24*	Hamfest, SARASOTA, FL
24*	Hamfest, GREENVILLE, AL
30*	Hamfest, SEVIERVILLE, TN

FEBRUARY 1988

6*	Hamfest, INVERNERSS, FL
6-7	Hamfest, MIAMI, FL
14*	Winter Hamfest, ELKIN, NC
20*	Hamfest, STUART, FL
20-21	Hamfest, SARASOTA, FL
21*	Hamfest, PINELLAS PARK, FL
21*	10th Annual Hamfest, FAYETTEVILLE, WV
21*	Winterfest, VIENNA, VA
27*	Hamfest, BROOKSVILLE, FL

MARCH 1988

6*	Hamfest, DALTON, GA
6*	Hamfest, FT. MYERS, FL
6*	Swapfest, MORRISTOWN, TN
6*	Hamfest, MAMMOTH CITY, KY
6-7*	Hamfest, LAFAYETTE, LA
12-13	Hamcation, ORLANDO, FL
19-20	Hamfest, CHARLOTTE, NC
19-20*	Swapfest, FT. WALTON BEACH, FL
26-27*	Hamfest, COLUMBUS, GA
27*	Hamfest, TIMONIUM, MD

APRIL 1988

3*	Hamfest/Computer Show, CHARLESTON, WV
3*	Hamfest, CHARLESTON, SC
10.	NC ARRL Cnv/16th Annual RARS Hamfest RALEIGH, NC
10*	Hamfest, OAK RIDGE, TN
10*	Hamfest, TAMPA, FL
10*	Hamfest, MORRISTOWN, TN
17*	Hamfest Kennehoochie, MARIETTA, GA
29-30-May 1	Hamvention, DAYTON, OH
30-May 1	49th Annual Hamfest, GREENVILLE, SC

MAY 1988

14-15*	Hamfest, BIRMINGHAM, AL
14-15*	Hamfest, TOCCOA, GA
21*	DFMA Hamfest, DURHAM, NC
28-29*	Hamfest, KNOXVILLE, TN
28-29*	Hamfest, ROANOKE, VA
29*	Hamfest, CHIPLEY, FL
	ARRL Roanoke Div. LPM Meet, CHARLOTTE, NC

JUNE 1988

3-4-5*	Hamfest, DALLAS, TX
4-5*	Cleveland ARC Hamfest, CLEVELAND, TN
4-5*	Hamfest, ALBANY, GA
5*	John Ross Hamfest, FT. OGLETHROPE, GA
5*	Hamfest, COLUMBUS, OH
5*	Hamfest, HUMBOLT, TN
5*	Hamfest, MANASSAS, VA
5*	Hamfest, MUNCIE, IN
11	Hamfest, WINSTON-SALEM, NC
19*	Hamfest, FREDERICK, MD

JULY 1988

9-10*	Hamfest, ATLANTA, GA
16*	Summer Swapfest, CARY, NC
17*	TSRAC Hamfest, WHEELING, WV
23-24*	WV State ARRL Conv., JACKSON'S MILL, WV
31	BRATS Hamfest, W. FRIENDSHIP, MD

AUGUST 1988

6-7*	Hamfest, ASHEVILLE, NC
6-7*	Hamfest, JACKSONVILLE, FL
6-7*	Ham Com, SHREVEPORT, LA
7*	Winchester Hamfest, BERRYVILLE, VA
7*	Jax County Hamfest, RIPLEY, WV
7*	Hamfest, LEXINGTON, KY
13-14*	Hamfest, HUNTSVILLE, AL
14*	New River Valley Hamfest, DUBLIN, VA
20-21	Hamfest, MADISON, GA
27-28*	Hamfest, MELBOURNE, FL
28*	Hamfest, CEDARS OF LEBANON, TN
28	Hamfest, BLUEFIELD, WV

SEPTEMBER 1988

2-3-4	ARRL SW Division Ham Com, ANAHEIM, CA
3-4*	31st Annual Hamfest, SHELBY, NC
9-11	ARRL National Convention, PORTLAND, OR
10-11*	Hamfest, LOUISVILLE, KY
11	Hamfest, GAITHERSBURG, MD
18*	Cincy.Hamfest, CINCINNATI, OH
18*	Hamfest, AUGUSTA, GA
18*	Hamfest, CLEVELAND, OH
24*	Hamfest, ANNISTON, AL
25*	Hamfest, Lanierland ARC, GAINSVILLE, GA

OCTOBER 1988

1*	Hamfest, HUNTINGTON, WV
1-2*	Roanoke Div. ARRL Conv., VIRGINIA BEACH, VA
1-2*	Hamfest, BILOXI, MS
2*	Hamfest, ROCK HILL, SC
2*	Hamfest, ROME, GA
8-9*	Convention. HOUSTON, TX
8-9*	Central GA Hamfest, WARNER ROBBINS, GA
8-9*	Hamfest, MEMPHIS, TN
8-9*	Hamfest, VERO BEACH, FL
9*	4th Annual Techfest, RICHMOND, VA
9*	Hamfest, MAYSVILLE, NC
15*	Tri-Cities Hamfest, GRAY, TN
29-30*	Hamfest, CHATTANOOGA, TN
29-30*	Ham Radio/Comp Expo 88 LAWRENCEVILLE, GA

NOVEMBER 1988

5-6*	Hamfest, LAS VEGAS, NV
5-6*	Hamfest, FT. LAUDERDALE, FL
6*	Hamfest, CONCORD, NC
12*	Swapfest, SUMTER, SC
12-13*	Central Alabama Hamfest, MONTGOMERY, AL
12-13*	Hamfest, GREENSBORO, NC
19-20*	Suncoast Convention, ST. PETERSBURG, FL
19-20*	Hamfest, W. PALM BEACH, FL

PLEASE NOTE: All dates of hamfests are taken based on last year's dates and marked with an asterisk as NOT CONFIRMED. Other shows with No Asterisk have been confirmed. DEADLINE for Calendar Corrections to the Upcoming February Journal is January 1st. Write the Editor.

Decisions, decisions, decisions.

Should you choose one, two, or all three?

Choose one—Yaesu's FT-109RH, FT-209RH or FT-709R—and you gain the maximum performance available in any single-band HT.

Choose two—or even three, and you also get interchangeable accessories, options and operating procedures. Making it easy and affordable to work all your favorite VHF and UHF bands.

However you decide, you get all this operating flexibility: Powerful 5-watts output (4.5 watts on 440 MHz). Battery saver. Push-button recall of 10 memories, each that independently stores receive frequency, standard or non-standard offset, even optional tone encode and decode.

Push-button scanning routines for scanning all memory channels, selected ones, or all frequencies between adjacent memories. And a priority feature to return you to a special frequency.

You also get a high/low power switch, power meter, backlit display, 500-mAh battery, wall charger, and soft case. Plus a choice of many interchangeable options, including a VOX headset, fast charger, hard leather case, and plug-in subaudible tone encoder/decoder for controlled-access repeaters.

Let Yaesu's 220-MHz FT-109RH, 2-Meter FT-209RH and 440-MHz FT-709R give you the decided advantage in HT performance and upgrade ability. It may be the most enjoyable HT buying decision you ever make.

220 MHz

YAESU
VHF FM
220MHz HANDIE TRANSCEIVER FT-109RH
3.500

2 Meters

YAESU
2m FM
2m HANDIE TRANSCEIVER FT-209RH
6.520

440 MHz

YAESU
UHF FM
UHF HANDIE TRANSCEIVER FT-709R
5.000

YAESU

CIRCLE 9 ON READER SERVICE CARD

Yaesu USA 17210 Edwards Road, Cerritos, CA 90701 (213) 404-2700. **Repair Service:** (213) 404-4884. **Parts:** (213) 404-4847.
Yaesu Cincinnati Service Center 9070 Gold Park Drive, Hamilton, OH 45011. (513) 874-3100.

Prices and specifications subject to change without notice.

SouthEastern Repeater Association, Inc.
POST OFFICE BOX 24292
WINSTON-SALEM, N.C. 27114-4292

Bulk Rate
U. S. Postage
PAID
Permit No. 383
Greensboro, N.C. 27435
THIRD CLASS MAIL

W.VA.
KY.
VA.
TENN.
N.C.
GA.
S.C.

DAVID WARD KA4LVO
5573 VIENNA-DOZIER RD 02/88 C
PFAFFTOWN, NC 27040-9780

"On Our 16th Year
Of Service
To The VHF/UHF
Amateur"

STATE DIRECTORS, VICE DIRECTORS AND ASSISTANTS FOR SERA - SOUTHEASTERN REPEATER ASSOCIATION

Contact Your Local Director or His Assistants for help in Frequency or Repeater Coordination, Changes in Repeaters, or any other Assistance you need.

TENNESSEE

DIRECTOR
J. Tom Park, WD4KWP
1198 Lock 4 Road
Gallatin, Tn. 37066
(615) 452-3822

VICE-DIRECTOR
Jean Giesler, W4TYU
4544 Lyons View Drive
Knoxville, Tn. 37919
(615) 525-5781

WESTERN ASST.
Neal Talley, WB4EAI
1163 Echles Road
Memphis, Tn. 38111
(901) 454-6910

EASTERN KENTUCKY

DIRECTOR
Fred Jones, WA4SWF
511 Lackey Avenue
Louisa, Ky. 41230
(606) 638-4119

VICE-DIRECTOR
Terry Estes, WB4ASZ
16 Valley Drive
Winchester, Ky. 40391
(606) 744-2590

VIRGINIA

DIRECTOR
EASTERN VIRGINIA
Wally Burkett, WA4KXV
242 Raintree Road
Virginia Beach, Va. 23452
(804) 486-1555

VICE DIRECTOR
WESTERN VIRGINIA
Don Williams, WA4K
412 Ridgeway Drive
Bluefield, Va. 24605
(703) 326-2411

CENTRAL VIRGINIA
Larry Lewis, WB4JBJ
101 Jane Randolph Street
Forest, Va. 24551
(804) 525-5901

NORTH CAROLINA

DIRECTOR
F.L. Warford, K4AZA
121 Old Mill Road
High Point, N.C. 27260
(919) 841-5576

VICE-DIRECTOR
Orin Harding, WA4TBR
703 Pleasant Drive
Greensboro, N.C. 27410
(919) 299-4819

WEST VIRGINIA

DIRECTOR
Karl Morris, WB8GDY
1009 Sand Hill Drive
St. Albans, W.Va. 25177
(304) 727-8453

VICE-DIRECTOR
Lyle B. Gaston, W8FG
P.O. Box 351
Pratt, W.Va. 25162
(304) 442-5373

NORTHERN ASST.
R.T. (Dick) Fowler, N8FMD
Route #3, Box 52
Clarksburg, W.Va. 26301
(304) 623-9479

SOUTHERN ASST.
M.E. (Mac) McMillian, WD8OZT
2537 Larwood Drive
Charleston, W.Va. 25302
(304) 346-6006

GEORGIA

DIRECTOR
Jim Abercrombie, Jr. N4JA
P.O. Box 5943
Augusta, Ga. 30906
(404) 790-7802

VICE-DIRECTOR
Dave Shiplett, WL7ACY
107 Mossy Lake Rd.
Perry, Ga. 31069
(912) 987-3000

SOUTH GA. ASST.
Larry Smith, N4FD
P.O. Box 70397
Albany, Ga. 31707
(912) 888-9203

NORTH GA. ASST.
Jack Berry, W4PME
750 Star Light Dr. NE
Atlanta, Ga. 30342
(404) 255-9684

SOUTH CAROLINA

DIRECTOR
Len H. Bjerken, WB4USY
Rt. 1, Box 80
Sumter, S.C. 29150
(803) 481-2436

VICE-DIRECTOR
Al Harney, N4EOY
224 Morningwood Dr.
Lexington, S.C. 29072
(803) 359-5305